

# PROFESSIONAL CONSTRUCTION CHEMICALS

PRODUCT  
CATALOG

PROFESSIONAL<sup>®</sup>

BOBRAMAX

Dear Sir/Madame

We are a production and distribution company with an established position in the construction chemicals market. We have been operating since 2000, constantly expanding our commercial offer. In 2007, we launched our own professional brand **BORAMAX**, whose range currently has more than 250 products and is constantly being expanded. By introducing new products and services onto the market, we simultaneously care for their quality, innovation and attractiveness. We work with regional distributors, wholesalers, building warehouses, stores, stores and repair and construction crews.

The dynamic development of the company meant that we are currently active throughout Poland and each area is served by a group of well-trained Sales Representatives who provide advice and assistance. We have extended our activity to other European countries, including Latvia, Lithuania, Russia, Belarus, Estonia, Slovakia, the Czech Republic, Germany, Sweden, Norway, England and Ukraine. For several years we have been actively participating in domestic and foreign construction fairs: **BUDMA-Poznań**; **INTERBUILD-Kiev**; **MOSBUILD-Moscow**; **IBF Brno**; **BAU-Munich**; **INTERBUD-boat**; **ECOBUILD-London**; **BUDPRAGES-Minsk**; **BYGG REIS DEG-Oslo**.

In 2015, we opened a new certified production plant with headquarters in Masłów and a building film production plant. This contributed to further dynamic development of the company. The effects are visible in the sales of the range, which since 2007 has increased many times. With each passing year, we also increase sales, our logistics base, warehouse space, machinery park and the number of our employees.

We are open to all forms of cooperation, we offer convenient business terms, expert advice and favorable promotions. We have our own transport and logistics base and a car fleet, which since 2002 has increased by another 30 cars.

We guarantee our clients professional service, fast deliveries and, above all, the best quality products that can compete with global leaders in our industry. Our products have been awarded with the prestigious **GOLDEN WINGS AND BRAND** awards in 2009, 2011, 2012, 2013, 2015 and **DIAMENT ŚWIĘTOKRZYSKI** in 2016. For our clients we guarantee best customer service, fast deliveries, and high quality products, which can compete with global leaders in our industry.

We operate also in other economic, social and charitable fields. We support sport and culture. We are a sponsor of PGE VIVE KIELCE. We have our own rally team **BORAMAX RALLY & RACING TEAM** specializing in rallying rallies. For more information about our products, our activities and our company, please visit [www.seven7.pl](http://www.seven7.pl) or [www.boramax.pl](http://www.boramax.pl)

**WE GUARANTEE SATISFACTION WITH OUR PRODUCTS AND INVITE YOU TO COOPERATION!**



## BORAMAX 65

### PROFESSIONAL QUICK-DRYING MONTAGE GUN FOAM WITH INCREASED PERFORMANCE BY 44%

Professional one-component gun polyurethane foam with INCREASED PERFORMANCE up to 65 LITERS from the package. With the new formula and large initial expansion gain to 40% higher performance than the standard foam. It is fast-drying foam, characterized by very short time of initial curing. Designed for mounting wooden joinery, PVC and aluminum. An exceptionally dense and rugged structural-sealing foam with lower initial expansion formula, which doesn't make the mounted profiles distort. Has a high bond strength, very good seals, muffles, isolates and sticks. The product also has a very good properties of sound and thermal insulating, quickly curing, which reduces installation time. The yield is dependent on temperature and humidity of the environment. The foam is fungi and mold resistant. It also occurs in winter version, in which the specially modified formula allows you to work at low ambient temperatures even to -10 °C. The foam should be applied on a special foam applicator gun for polyurethane.

#### APPLICATION

Sealing and deposition of doors and windows, insulation and embedding pipes, thermal insulation, insulation roofs and flat roofs, sealing the construction spaces and structural walls. The product has very good adhesion properties to most building materials such as wood and wood-based materials, brick, concrete, plaster, metal.

#### SPECIFICATIONS

Operating temperature (substrate): + 5 °C to + 30 °C  
 Operating temperature (substrate) winter version: from -10 °C to + 30 °C  
 The optimum temperature of the can: + 10 °C to + 20 °C  
 Thermal resistance after curing: -50 °C to + 90 °C  
 Flammability class: B3 (DIN 4102)  
 Performance depending on ambient conditions: up to 65l  
 Skin formation time: 3-7 min  
 Initial cure: 10-15 min  
 Pre-treatment time: 15-25 min. at temp. + 20 °C



PACKAGING CAPACITY	QUANTITY IN BOX	QUANTITY ON THE PALLET
840ml	12	768

## BORAMAX PCV LOW-PRESSURE FOAM

### LOW-PRESSURE QUICK DRYING GUN FOAM

Professional one-component gun polyurethane foam LOW-PRESSURE PCV with new generation formula which makes it has an exceptionally good adhesion to PVC profiles and the fact that the foam expands only until completely fill the gap without having strong emphasis on mounted frames and mouldings, prevents from deformation. It is a fast-drying foam, characterized by a short time of initial curing. Designed for mounting of PVC joinery, wood and aluminum joinery, window sills, stairs, bathtubs and a shower trays. Extremely dense and durable sealing foam with a low pressure formula. It is characterized by high bond strength, very well sealed, muffles, isolates and sticks. The product has a very good soundproof, thermal insulating properties, its application depends on an ambient temperature and humidity. The foam is resistant to fungus and mold. The product is available in a WINTER version, in which the specially modified formula allows you to work at low ambient temperatures as low as -10 °C. The foam should be applied by using a special gun for application of polyurethane foams.

#### APPLICATION

Sealing and mounting of doors and windows, insulation and embedding pipes, thermal insulation, thermal insulation of roofs and flat roofs, sealing the construction spaces and structural walls. The product has very good adhesion properties to most building materials such as PVC profiles, wood, wood-based derivative materials, brick, concrete, plaster, metal.

#### TECHNICAL DETAILS

Working temperature (substrate): + 5 °C to + 30 °C  
 Working temperature (substrate) winter version: from -10 °C to + 30 °C  
 The optimum temperature of the can: + 20 °C  
 Temperature resistance after curing: from -50 °C to + 90 °C  
 Flammability class: B3 (DIN 4102)  
 Performance depending on the ambient conditions: from the 45l  
 Pre-treatment time: 15-25 min. at temp. + 20 °C



PACKAGING CAPACITY	QUANTITY IN BOX	QUANTITY ON THE PALLET
840ml	12	768



### BORAMAX PVC LOW EXPANSION FOAM

#### LOW EXPANSION QUICK DRYING FOAM WITH A STRAW APPLICATOR

Professional one-component polyurethane foam with a straw applicator low-pressure PVC has new generation formula, which makes it has a very good adhesion to PVC profiles, and foam expands only until completely fill the gap without having strong emphasis on mounted frames and moldings. This prevents warping and deformation. That quick-drying foam is characterized by very short time of initial curing. Designed for installation of PVC joinery, wood and aluminum window sills, stairs, bathtubs and shower trays. Extremely dense and sturdy sealing foam has a low pressure formulation, and it is characterized by high strength binding. Very well seals, dampens, isolates and sticks. The product also has a very good soundproof and thermal insulating, fast curing, which reduces installation time. Performance is dependent on ambient temperature and humidity. Foam is resistant to fungus and mold. There is also a WINTER version, in which the special modified formula allows to work at low ambient temperatures up to -10 °C. Foam with manual applicator.

#### APPLICATION

Sealing and deposition of doors and windows, insulation and embedding pipes, thermal insulation, thermal insulation of roofs and flat roofs, sealing the construction spaces and structural walls. Product has very good adhesion to most building materials such as profiles of PVC, wood, wood derived materials, brick, concrete, plaster, metal.

#### TECHNICAL DETAILS

Working temperature (substrate): + 5 °C to + 30 °C  
Working temperature (ground) winter version: from -10 °C to + 30 °C  
The optimum temperature of the can: + 20 °C  
Thermal resistance after curing: -50 °C to + 90 °C  
Flammability class: B3 (DIN 4102)  
Performance depending on the ambient conditions: from the 45l  
Pre-treatment time: 15-25 min. at temp. + 20°C



PACKAGING CAPACITY	QUANTITY IN BOX	QUANTITY ON THE PALLET
750ml	16	768

### BORAMAX 45 ENERGY SAVER

#### QUICK DRYING MOUNTING GUN FOAM

Professional one-component polyurethane foam with a new formula, designed to WARM mounting of door and window joinery wood, PVC and aluminum. The foam is characterized by high bond strength; very well seals, dampens, isolates and sticks. The product also has a very good thermal insulation. With its dense and fine - cellular structure, the Foam has a very low heat transfer coefficient  $\lambda = 0,038$  (with the 5cm thickness of layer and closed cell structure), whereby saving the thermal energy of the building. There is also a WINTER version, its specially modified formula allows you to work at low ambient temperatures up to -10 °C. The foam must be applied by using a special polyurethane foam gun-applicator.

#### APPLICATION

Sealing and deposition of doors and windows, insulation and embedding pipes, thermal insulation, thermal insulation of roofs and flat roofs, sealing of the construction spaces, partitions. The product has very good adhesion to most building materials such as PVC

profiles, wood, wood-based materials, brick, concrete, plaster, metal.

#### TECHNICAL DETAILS

Working temperature (substrate): + 5 °C to + 30 °C  
Working temperature (substrate) winter version: from -10 °C to + 30 °C  
The optimum temperature of the can: + 20 °C  
Thermal resistance after curing: -50 °C to + 90 °C  
Flammability class: B3 (DIN 4102)  
Performance depending on ambient conditions: from the 35l to 45l  
Pre-treatment time: 10-15 min. at temp. + 20 °C



PACKAGING CAPACITY	QUANTITY IN BOX	QUANTITY ON THE PALLET
750ml	12	768

### BORAMAX 45 ENERGY SAVER, BORAMAX 500

#### QUICK DRYING FOAM WITH A STRAW APPLICATOR

Professional one-component polyurethane foam with a new formula, designed to WARM mounting of door and window joinery wood, PVC and aluminum. The foam is characterized by high bond strength; very well seals, dampens, isolates and sticks. The product also has a very good thermal insulation. With its dense and fine - cellular structure, the Foam has a very low heat transfer coefficient  $\lambda = 0,038$  (with the 5cm thickness of layer and closed cell structure), whereby saving the thermal energy of the building. There is also a WINTER version, its specially modified formula allows you to work at low ambient temperatures up to -10 °C. The foam with a straw applicator also occurs in the 500ml package.

#### APPLICATION

Sealing and deposition of doors and windows, insulation and embedding pipes, thermal insulation, thermal insulation of roofs and flat roofs, sealing the construction spaces and structural walls. Product has very good adhesion to most building materials such as: PVC profiles, wood, wood-derivatives materials, brick, concrete, plaster, metal.

#### TECHNICAL DETAILS

Working temperature (substrate): + 5 °C to + 30 °C  
Working temperature (substrate) winter version: -10 °C to + 30 °C  
The optimum temperature of the can: + 20 °C  
Thermal resistance after curing: -50 °C to + 90 °C  
Flammability class: B3 (DIN 4102)  
Performance depending on the ambient conditions from the: 35l to 45l  
Pre-treatment time: 10-15 min. at temp. + 20 °C



PACKAGING CAPACITY	QUANTITY IN BOX	QUANTITY ON THE PALLET
750ml, 500ml	16, 12	768, 1152



**BORAMAX FIREPROOF MOUNTING FOAM B1**

**FIREPROOF MOUNTING FOAM B1 PPU-3 BORAMAX** is it is a highly flammable, one-component polyurethane assembly and sealing foam. Designed for mounting window joinery, doors and firewalls. Recommended to work, which require compliance with the use of a non-flammable product. Can be use also to other foam application.

**APPLICATION:**

Fireproof mounting foam B1 PPU-3 Boramax fireproof B1 is designed for door-frames, window-frames, PCV doors, wood and aluminum, sealing roof connections, walls and ceilings, filling cable and tube connectors, insulation central heating and plumbing network, soundproofing and sealing partition cabins, car bodies, boats and many others. Fresh foam has very good adhesion properties to all building materials. Hardened foam is semi-regid. and for the most of part retains its a closed cell structure. Hardened foam is resistant to high and low temperatures, but is not resistant to UV rays.

**HOW TO USED:**

Gently clean and degrease the working surface. Spray a surface with water. Before use check positive temperature of can (optimal +20°C) shake strongly (30 sec) to mix all ingredients. Screw can to the gun with the work position „bottom to top”. Apply the foam from down to the top. Fill the slots up to 60% depth, but not more than 5 cm on the one coat, wider than 5 cm it must be filled one after the other coat. All coats spray the water. Excess foam after hardening remove with the

knife. After complete hardening foam must be protected from the UV rays with concrete, paint.

**TECHNICAL DETAILS:**

Working temperature (substrate): from +5°C to +30°C.  
The optimum temperature of the can: +10°C to +25°  
Temperature resistance after curing: from -50°C to 90°C  
Skin formation time: 12-16 mins  
Time of complete curing: 24 h  
Performance: up to 40l (depending on the ambient conditions)  
Expiration time: 12 months  
The product has: Technical approbation ITB nr: AT-15-9418/214 National Compliance Declaration nr. 10/BORAMAX/2015 from 08.07.2015  
Flammability: hardly flammable DIN 4102-B1  
Classification fire resistance EN 1366-4: EI20 –EI 180  
Classification fire reaction PN-EN 13501 : Bs1  
Class B1 is satisfied with foaming between mineral and metallic building materials about width up to 50 mm.



PACKAGING CAPACITY	QUANTITY IN BOX	QUANTITY ON THE PALLET
750ml	12	768

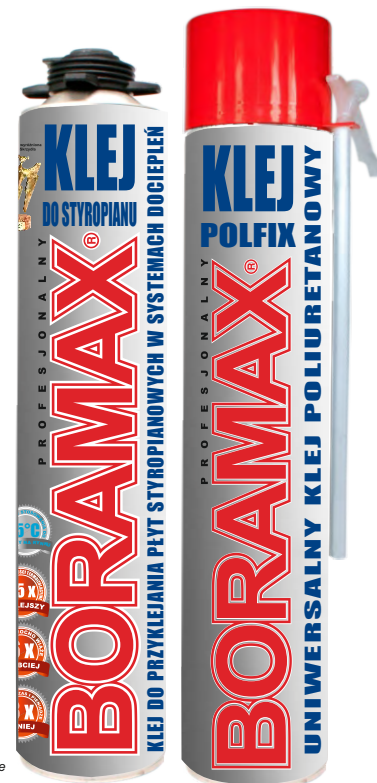
**BORAMAX - PROFESSIONAL AEROSOL POLYURETHANE GLUE, ADHESIVE FOR BONDING FOAMED POLYSTYRENE THERMAL INSULATION**

**ONE – COMPONENT WITH A LOW – PRESSURE FORMULA POLYURETHANE GLUE BORAMAX PPU 2** applied with a special gun designed for bonding foamed polystyrene thermal insulation with a method BSO, surfaces such as XPS, EPS in a building thermal insulation and ground surfaces of buildings, cellars. The glue is easy and convenient to use it and it is designed for making insulation faster (initial extension after 2 hours, full extension after 24 hours). It has a very good adhesion properties to bituminous surfaces (non – solvent substances KMB, welding papers) and also mineral, concrete surfaces, ceramic plasters. It can be applied in all temperatures. The polyurethane glue BORAMAX for adhering polystyrene in a thermal insulation process of an outside walls and buildings, polystyrene panels, wall panels. It is designed for mounting windowsills, filling cracks in thermal insulation. The product has a very good adhesion properties to concrete, ceramic, wooden, PCV surfaces or the other kinds of polystyrene and panels. After 2 hours from the adhesive process, you can start to polish the slab. The polyurethane glue BORAMAX can be used in insulation systems near the ground (groundworks) with the usage of polystyrene slabs (XPS, EPS). The polyurethane glue has a very good adhesion properties to a concrete, ceramic, wooden and PVC surfaces and even for all types of polystyrene,

plasters, or grounds covered with bituminous surfaces, roofing papers, asphalt insulations materials. After 2 hours from adhering process the initial hardening process has been started and it allows to continue the security works on ground. After 24 h we get the total hardening process of polyurethane joint.

**SPECIFICATION:**

Ground temperature (-5°C to +30°C), optimal temperature of the can +20°C, time of correction process is about 10 minutes (+23 C/RH 50%), time of pegging - 2h. Packing capacity( bonding BSO): 8m2 of the surface, capacity level depends on an environmental conditions(temperature, and air humidity).



\* compared to conventional adhesive mortars

PACKAGING CAPACITY	QUANTITY IN BOX	QUANTITY ON THE PALLET
750ml	12	768

## MS MAXI FIX



**MS MAXI FIX** polymer Boramax 7in1, has a very wide applicability, it can be used in both ways outside and inside. The product is a polymer of a permanent elastic joint and it can be used instead of typical glues, sealants, silicones, polyurethane substances, polymers, acrylics, kauchuk sealants, kauchuk assembly glues (solvent) and acrylic (water). It has also a perfect adhesion to any construction materials, it can be used instead of all kinds of silicones: universal, sanitary, neutral, glass, building, motor. Boramax MS MAXI FIX 7in1 is a new generation sealant of the most valuable properties of silicone, glue and acrylic. It is a universal and elastic substance with a very strong adhesion features. It is easy to use inside and outside. It forms a waterproof insulation surface protecting from cracks against moisture and an air influence. It contains a mould-proof basement insulation and it also has a stain protection properties. Neutral, it does not cause any corrosion and does not give an unpleasant smell. Polymer does not change the colour of marble and the other natural stones. It has a perfect adhesion to glass, ceramics and tiles, it is also resistant to UV radiation and weather conditions. The sealant has a strong mould-proof features, it can be used in a building and construction works, repairs.

**APPLICATION:** general building works, sanitary premises, mirror and glass, wood and concrete, natural stone, motors, PVC, windows and doors insulation, sticking small elements, insulation of water supply and a sewage system, electric cable insulation, ceramic tiles jointing and corner connections, cracks and the other small house and motor works. Adhesion/insulation: elastic and exceptionally permanent connections of heavy elements as: table tops, shelves, frames, hangers, boards, handles, stairs,

windowsills, thresholds, finishing slats, panels, tiles, mirrors, panels, screens, insulation materials.

**SPECIFICATION:** good adhesion, mould and water proof properties, perfect resistance to a temperature from -40°C to +80°C, it is also resistant to UV radiation and weather conditions, it is easy to use with no volume change, it keeps its elastic form even after hardening process. Exceptionally thick and sticky (there is no need to support it). After its hardening it keeps its elastic form and resistance to a temperature of +50°C to +30°C. It can be used for a dry and moist, for smooth and porous, for a vertical and horizontal surfaces outside and inside of a building. Ideal for mirrors, glass, ceramics, aluminium, plasters, cooper, stainless and enamel steel, PCW, polyester, PS, PC, PU, wood, cork, MDF, HDF, HPL and more wooden products, gypsum, plaster, stone, concrete, mortars. It has a high level of resistance for water, mould, fungi and also for vibrations. It does not need to be grounded, harmless (does not contain silicones, solvents) chemically neutral (it can be used for mirrors, stones) it is odourless. Universal sealant has a wide applicability, permanently elastic, it is a sealant of very quick hardening process with outside and inside application. Resistant to weather conditions, UV radiation and moisture. The product is recommended for construction works, boatbuilding, motorization industry, installing glass in windows (wooden frames). It forms a waterproof, permanent and elastic insulation protecting cracks against moisture and air influence. It has a perfect adhesion to glass, ceramics, tiles and the other popular construction materials, after its drying process it forms a smooth and polished surface.

PACKAGING CAPACITY	COLOUR	QUANTITY IN BOX/ON THE PALLET
310ml	white/transparent	12 /1440

## CHEMICAL ANCHOR SUPER STRONG 1400 kg



- 2 mixing tips
- styreneless
- high load 1400kg
- application without tip cut

### CHEMICAL ANCHOR SUPER STRONG 1400 KG

Designed for mounting pins, rods, and mounting flanges, sockets and frames subjected to heavy mechanical loads in full and perforated materials. Product has very high strength and no expansion strips in the substrate. Is possible installation anchor in very close distance from edge of the substrate. Chemical anchor can be used in wide temperature range. (up to -5°C). It provides waterproof and tight fixing. Application with reinforced squeezer for the standard cartouches.

### APPLICATION:

- mounting elements subjected to heavy mechanical loads: reinforced rods mounting pins, balustrades, masts, fence posts, shelves and handles in many kind of bases
- fixing voids in solid and porous substrates (repairing plaster putty)
- mounting bars and fastening pins close to from the edge of the concrete sheet and very close distance to others anchors (pressureless expansion mounting)

### PROPERTIES:

- it can be used to mounting in many kinds of substrates
- elements can be anchored at different depths to obtain higher load capacity parameters
- it has high resistance to chemical compounds

PACKAGING CAPACITY	QUANTITY IN BOX	ON THE PALLET
310ml	12	1440

## UNIVERSAL SILICONE

**UNIVERSAL SILICONE** is a versatile, permanently elastic and fast curing sealant suitable for use inside and outside of buildings. It is resistant to weather conditions, including UV radiation and impact of moisture. Recommended in the general construction works, boat building, moto industries, for glazing windows in wooden frames. Creates a watertight, permanently flexible seal, that ensures protection of slots against the ingress of moisture and air. Perfectly binds glass, ceramics, glaze, and other popular building materials. After drying it forms a smooth and glistening joint.

**APPLICATION:** Windows and door insulation, sewage and hydraulic system ( pipes), canals insulation of electric cables, installing glass in a wooden window frames, ceramic tiles joining and a corner connections. Insulation of connections, dilatations, cracks and the other small house and motor works.

**SPECIFICATION:** Thermal resistance form -40°C to +100°C, rate of a hardening process 2-3 mm/24h, processing time 10-12 min, motion adaptation +\_20%, application temperature from +5°C to +40°C, net

system: acetoxy.

**DIRECTIONS FOR USE:** the surface should be dry, clean and ungreased. During 12 minutes starting from putting a silicon, the rift should be smoothed with a special spatula designed for silicones soaked in water with soap. In order to protect against dirt and to receive the equal line of joint we recommend sticking all over the cracks with a paint tape. Cut off plastic nipple above screw thread. Attach plastic nozzle to cartridge and cut it slantwise. Put the nozzle on the top of the squeezer and in this way apply the joint.



PACKAGING CAPACITY	COLOUR	QUANTITY IN BOX/ON THE PALLET
310ml	white/transparent/brown/grey/black	12 /1440

## SANITARY SEALANT

**SANITARY SEALANT** neutral Boramax recommended for insulation and jointing in an area of a high level of moisture. The special formula influences on its resistance to mould, fungi and algae. Thanks to its neutral system of hardening it does not cause a metal corrossions (stainless steel, brass, aluminium) and does not come into reactions with rifts, glues, plasters and the other surfaces of alkalinity . It is odourless, of a quick hardening and insulating , its permanent elastic formula has a perfect adhesion to smooth surfaces and porous as well. After its hardening the joint does not shrink and crumble because of its flexibility. The sealant is highly recommended for using it in bathrooms, kitchens and the other places of a high level of moisture. It is resistant to detergents, temperature differences and UV radiation. It has a perfect adhesion to glass, ceramics, porcelain, wood and a lacquer surfaces.

**APPLICATION:** Insulation of baths and wash – basin edges, paddling pools, shower cabins ( acrylic also ), lavatory pans, kitchen sinks, jointing table tops, corner grouting of tiles joint ( elastic rift), insulation of water supply and sewage system, motor and shipyard industry.

**SPECIFICATION:** Thermal resistance: -40°C to 100°C, hardening rate:

3mm/24h, working time: 20-22min, motion adaptation +/\_25%, application temperature: +5C - +40C, net system: neutral (oxym).

**DIRECTIONS FOR USE :** Surfaces should be carefully cleaned, ungreased and dry. In order to protect against dirt and to receive the equal line of joint we recommend sticking all over the cracks with a paint tape. The rift should have a shape facilitating for running down a water, put the nozzle on the top of a squeezer and in this way apply the joint. During 10 minutes the joint should be smoothed by special spatula for silicones soaked in water with soap, after finishing works a paint tape should be removed.



PACKAGING CAPACITY	COLOUR	QUANTITY IN BOX/ON THE PALLET
310ml	white/transparent/beige	12 /1440

## GLASS SEALANT

**GLASS SEALANT NEUTRAL** is a specialised, one – component sealant made of silicon with an increased adhesion to glass, tiles, terracotta, ceramics, metal, synthetic and wood-based materials. It is a special mass of adhesive –insulation properties with a neutral Ph. Thanks to its neutral system of hardening, it does not cause metal corrossions or decolourization ( stainless steel, brass, aluminium) and it is not come into reactions with them. It can be applied on a smooth surfaces- not porous. It turns into elastic, non shrink joint, hardened by air moisture. The insulation system is resistant to water and UV radiation influence for many years. After hardening the sealant is totally resistant to of weather conditions and a temperature level.

**APPLICATION :** Insulation of connections: glass-glass, glass-metal, window frames, light spots, assembly of showcases, wardrobe, shop windows, contractions made of glass blocks, panels and banners. It can be also used for insulation of freezers, cooling elements, ventilation and air-condition systems. Specification: thermal resistance -40°C to +100°C, application and storage temperature +5°C to +40°C, working time 20-22 minutes, capacity: 1 package 310 ml - 18

mb of joint , measurement 4x4 mm, the time of hardening : 2 mm/24h.

**DIRECTIONS FOR USE :** a surface should be carefully cleaned, ungreased , free of dust, rust and the other substances which can reduce an adhesion level. The glass, tiles and a wooden surface should be cleaned with alcohol, extractive petrol or an other solvent. Before starting repair works, the previous insulation should be carefully removed. The sealant should be placed and smoothed with a special spatula soaked in water with soap. The working tools



PACKAGING CAPACITY	COLOUR	QUANTITY IN BOX/ON THE PALLET
310ml	white/transparent	12 /1440



## ROOFING RUBBER SEALANT



### ROOFING RUBBER SEALANT BORAMAX

Elastic rubber mass used for insulations, connections, roofing repairs, and cut it slantwise. Put the nozzle on the top of a squeezer and in for dry and wet surfaces. It has a perfect adhesion to many popular construction materials, porous and smooth surfaces, also bituminous as metal sheets, concrete, plaster, ceramics, synthetic materials, tiles, glass, lead, zinc, copper, roofing felt, asphalt. It does not cause a metal corrosion and it does not contain silicon. Thanks to its perfect adhesion to weather conditions and a flexible surface the joint guaranties a waterproof, long lasting barrier. During its hardening it does not reduce the volume. After hardening it can be painted.

**SPECIFICATION:** hardening rate : to 2 mm/24h, application temperature: -50°C to +400°C, working time: 15-20 min, thermal resistance after its hardening : -250°C- +800°C.

**DIRECTIONS FOR USE:** the surfaces should be cleaned and ungreased, porous materials- dried. For obtaining an equal line of joint and avoiding dirt protection tapes should be used obviously. Cut off plastic nipple above screw thread. Attach plastic nozzle to cartridge

this way apply the mass. The joint should be smoothed using a special spatula soaked in water with soap. After finishing works a paint tape and the excess of sealant should be removed, acceptable measurements of joint : min 6x6mm, max 25x20 min.

PACKAGING CAPACITY	COLOUR	QUANTITY IN BOX/ON THE PALLET
310ml	brown/brick red/transparent	12 /1440

## ROOFING BITUMINOUS SEALANT



**ROOFING BITUMINOUS SEALANT** - black- it is an extremely plastic and elastic mixture of modified, environmental friendly bituminous mass contains resins and an additional natural fibres. It is used for repair workings and insulation of roofing covers. It has also has a perfect adhesion to most of typical construction surfaces as a roofing felts, bituminous coats, concrete, ceramics, metal sheets with zinc and electroplated steel. It turns into a permanent, flexible, elastic, and a waterproof joint resistant to UV radiation and a changeable weather conditions. It is perfect for filling cracks in a concrete elements before application of roofing felt or liquid, bituminous insulation. It can not be used in surfaces permanently soaked in water or under pressure of water.

**APPLICATION :** insulation, adhesion of joints and cracks in roofings, bituminous shingles and a wavy roofing plasters. Insulation and filling cracks in roofing holes and also during roofing works. Insulation of damaged and leaky roofings made of felts, tiles, metal tiles, bituminous shingles, wavy roofing plasters, metal sheets and the other. Completing cracks, connections, filling dilatations and grooves, during a waterproof insulation process of walls and a building foundations.

**SPECIFICATION :** thermal resistance : -200°C to +1100°C, working time: 10-12 min (+230°C), application temperature: +50°C to +400°C. Directions for use: the surface should be clean, smooth, ungreased, with no dirt, a low level of moisture is permissible. A particular care should be taken during a contact with synthetic materials due to the solvents contained in the product, caring out a solvent tolerance test in invisible place. The joint should be modelled during 15 minutes from starting putting on. In order to protect against dirt and obtain an equal joint it is preferable to stick all the cracks with a paint tape. Cut off plastic nipple above screw thread. Attach plastic nozzle to cartridge and cut it slantwise. Put the nozzle on a top of a squeezer and in this way apply the mass. The joint should be smoothed with a special spatula soaked in water with soap. After finishing works the dirty tools should be cleaned by organic solvent.

PACKAGING CAPACITY	COLOUR	QUANTITY IN BOX/ON THE PALLET
310ml	black	12 /1248

## HIGH TEMPERATURE SEALANT



**HIGH TEMPERATURE SEALANT**, resistant to an oil and grease effects, a sealant of a high chemical and thermal resistance. It is also resistant to a sudden temperature changes and it can be also applied in (+250°C to -650°C). The sealant can be used in a very high level of temperature (+3200°C) - but in a short time. Permanently elastic formula of quick adhesion properties, in reaction with atmospheric moisture turns into permanent, non-shrink, resistant to UV radiation filling substance. The high temperature sealant can be a used instead of traditional motor seals (rubber, clinkier, paper, cork, felt, asbestos). Perfect insulation and adhesion to most surfaces as: glass, ceramics, aluminium, metal. It is resistant to influence of many chemical factors as: petrol, oil, grease, freezing liquids, plumber liquids, frostproof liquids, it does not contain solvents and does not cause any metal corrosions.

**APPLICATION :** motor insulation (water pumps, valve covers, oil bowls, heating equipment, ventilation and internal combustion shafts) heating technique, kettles, bunkers, heaters. Insulation of other elements in motors and other mechanical equipment exposed to a high temperature level.

**SPECIFICATION:** Thermal resistance (-40°C- +250°C) (to +320°C – short

term), hardening rate: 3-4mm/24h, working time: 10-12min, motion adaptation -/+ 20%, temperature application : -5°C - +40°C, networking system (acetone).

**DIRECTION OF USE:** the surface should be dried, cleaned and ungreased. During 15 minutes from putting a sealant, the rift should be smoothed by special spatula soaked in water with a soup.

In order to protect against dirt and to obtain an equal line of joint it is preferable to stick all the cracks with a paint tape. Cut off a plastic nipple above screw thread. Attach plastic nozzle to cartridge and cut it slantwise. Put the nozzle on the top of a squeezer and in this way apply the mass.

PACKAGING CAPACITY	COLOUR	QUANTITY IN BOX/ON THE PALLET
310ml	red	12 /1440

## FIREPLACE SEALANT

**FIREPLACE SEALANT 1500°C** is a fire proof mass recommended for repairing and sealing places exposed to a fire and a high temperature level. It can be used for a permanent repairs and sealing of cracks in chimneys, heaters, barbecues, ventilation shafts, fumes pipes, additionally it contains a glass fibre increasing its gas proof properties and it does not change the volume of sealant after its hardening process ( protect against joint shrinking and stretching ). It does not crumble and crack in static connections. It has a good adhesion to metal, brick, cement and it is not under temperature changes. It is not appropriate for demanding elastic sealing ( central heating, gas installation). After its hardening process it becomes resistant to different weather conditions and UV radiation. It is non- toxic and it

**APPLICATION:** sealing of places which are directly exposed to flame and a high temperature level of cracks, losses in a tiled stoves, fireplaces, chimney flues, ventilation shafts. Assembling of bricks and fire proof blocks. Renovating of construction elements exposed to fire.

**SPECIFICATION:** thickness: 2,04 g/cm<sup>3</sup>, thermal resistance: do 1500°C, hardening rate : 24h, working time: 3-4 min, application temperature: above +5°C

**DIRECTION OF USE:** the surface should be cleaned, ungreased and dry. In order to protect against dirt and to obtain an equal line of joint it is preferable to stick all the cracks with a paint tape. Cut off plastic nipple above screw thread . Attach plastic nozzle to cartridge and cut it slantwise. Put the nozzle on the top of a squeezer and in this way apply the mass. It should be additionally smoothed with a special spatula soaked in water with a soap. In the end of working remove a paint tape, allow to dry for at least 24 hours.



PACKAGING CAPACITY	COLOUR	QUANTITY IN BOX/ON THE PALLET
310ml	black	12 /1440

## ASSEMBLY GLUE

**BORAMAX – ASSEMBLY GLUE SBS**, it is a high quality universal glue made of kauchuk. Its main properties are a perfect and quick adhesion. Universal application cause that the glue can replace nails, screw, pegs. It can be applied outside and inside of the buildings.

**APPLICATION:** The product is applied for adhesion of slats, profiles, bases, wall panels, wood based materials, synthetic boards, windowsills, doorsteps, ceramic tiles, PCV, cork, glass, stone, metals, metal sheets used for absorbent surfaces such as: concrete, bricks, gypsum, plaster.

**DIRECTION OF USE :** Surface should be cleaned from dirt, dust, dried and ungreased. The glue should be applied as spots or bands on one of each surfaces using a hand gun. Surfaces treated with the glue first connect than reconnect , wait 5 minutes and connect again tightening them very strongly and evenly. During 3-5 minutes from adhesion of material shoving with no separation of each surfaces  
Specyfication: working time : +5°C - +30°C, time of hardening

process: 24-72h, temperature resistance after hardening : -30°C - +70°C, capacity 250-500 ml/m<sup>2</sup>, cleaning tools: extractive petrol. Storage conditions: closed package in a dry and cool place ( optimal temperature is +5°C - +25°C).



PACKAGING CAPACITY	COLOUR	QUANTITY IN BOX/ON THE PALLET
300ml	beige	12 /1248

## UNIVERSAL ACRYLIC

**ACRYLIC BORAMAX** - is a permanent elastic acrylic insulation mass thinned down with water, after hardening it forms joints enable for painting . It is resistant to cracks and environmental conditions. It can be applied outside and inside of buildings. It has also a good adhesion to porous surfaces such as: concrete plaster, gypsum , ceramics, stone, wood.

**APPLICATION:** filling, cracks insulation in walls, insulating of other construction elements, connections of frames with plaster, windowsills, connections of gypsum plasterboards , insulation of rifts between tiles , cracks and connections in walls of houses walls, plaster and concrete.

**TECHNICAL DATA:** thermal resistance: -20°C – +70°C, application temperature: +5°C- +40°C, possible painting - after 24 h.

**DIRECTION OF USE:** The surfaces should be cleaned and moistened with water. The mass after hardening process should be protected with a plaster and a paint, if the insulation requires putting a thicker layer, the mass should be applied in layers. Tools should be washed in water.



PACKAGING CAPACITY	COLOUR	QUANTITY IN BOX/ON THE PALLET
310ml	white	12 /1440

## ACRYLIC LIGHT



### BORAMAX ACRYLIC LIGHT

**APPLICATION:** It is a permanent elastic formula, white, acrylic, light insulation mass, dilute with water specially used for a careful and extremely equal adhesion and insulation. It is used for a mortar, filling and renovating cracks, scratches, connections inside of buildings particularly during painting works. Masking screws during the assembly of gypsum plasterboards, panellings, suspended ceilings, pointing of gypsum plasterboards. After hardening process of joint it is possible to paint it and polish as well. Pointing connections between wall plasters and flooring, panels, ceiling panels and windowsills. It is resistant to cracking and cracks formation, its flexible properties are on a very high level. It has also very good adhesive properties to all porous surfaces such as concrete, plaster, gypsum, building ceramics, stone, wood.

**PROPERTIES:** ultra light and quick acrylic used with spatula of a quick initial drying process, it is allow us to paint it very quickly. Its elastic formula provides us with a non cracking and elastic rift. Acrylic is very easy and convenient for painting after 10-20 minutes (it depends on a moisture and temperature level). The product is

more tolerant than the other traditional acrylics, it can be putting with thick layers. It is a mass ready for using and does not require any technical tools, it can be a normal mass squeezer. Because of its light formula it is very easy for applying, smoothing ceilings. The product does not contain solvents so it is safety for decorative materials. It has a good adhesion to typical surfaces such as: gypsum plasterboards, concrete, brick, wood, stone, aluminium.

**TECHNICAL DATA:** Thermal resistance after hardening -20°C - +75°C, working time: 5 minutes, hardening rate 2mm during 1-8 h (depending on temperature i moisture level), contraction 0%, recommended weight: 0,57g/ml, application temperature: +5°C - +30°C.

**DIRECTION OF USE:** cleaned, dried and ungreased surface. The rift should be smoothed with a special spatula soaked in water with soap. Using paints with a big amount of fillers, very sticky, very matt, single covering can cause cracks in a painting layer. In case of some problems please dilute the paint with some water or firstly ground the surface with a latex primer.

**DURATION TIME:** 24 months, storing in a closed package in a dry and cool place in a temperature +5°C - +25°C.

PACKAGING CAPACITY	COLOUR	QUANTITY IN BOX/ON THE PALLET
310ml	white	12 /1440

## ACRYLIC GYPSUM



**ACRYLIC FOR GYPSUM PLASTERBOARDS BORAMAX,** it is a constant elastic acrylic formula, insulation mass, thined down with water, used specially for gypsum plasterboards. After its hardening formula it gives us possibility to paint it easily. Pointing connections between wallboards, flooring, floorboards, ceilingboards, windowsills. It is crack formation - resistant. It can be used for boards connecting and filling them with casings, masking boards and woodwork. It has good adhesion properties to all porous surfaces such as: concrete, plaster, gypsum, building ceramics, stone, wood. It is also resistant to freezing and UV radiation.

**TECHNICAL DATA:** thermal resistance: -20°C- +75°C, application temperature: +5°C- +35°C, possible painting: after 24h.

**DIRECTION OF USE:** surface preparation: it should be dry, clean and ungreased. The mass should be protect with a paint. If the insulation requires putting a thicker layer the mass should be applied in layers, the tools should be washed in water. Applying paints with a big amount of sticky, matt filling and single covered can cause some cracks in a

painting layer. In case of some problems thin down the paint with water or firstly prime the surface with a latex primer.

**DURATION TIME:** 24 months, storing in closed package in a dry and cool place in a temperature +5°C- +25°C.

Production date placed on the package with standards ISO 11600 F

PACKAGING CAPACITY	COLOUR	QUANTITY IN BOX/ON THE PALLET
310ml	white	12 /1440

## POLYURETHANE FOAMS CLEANER BORAMAX



**BORAMAX - foam polyurethane cleaner -** it is a modern preparation for cleaning surfaces newly soiled by polyurethane systems or gun applicator. The preparation contains an environmental friendly (especially ozone layer) substance.

### DIRECTIONS FOR USE:

- eliminating polyurethane foams and glues.
- necessary for cleaning valves in tanks and gun applicators dozing one - component assembly sealing foam.
- cleaning guns applicators designed for polyurethane foams and the other tools.

PACKAGING CAPACITY	QUANTITY IN BOX	QUANTITY ON THE PALLET
500ml	12	1152



## SILIKONE PLASTER SILMAX

**READY-TO-USE SILICONE PLASTER MASS BORAMAX SILMAX** it is intended for manual work of the final, noble, decorative layer on mineral substrates (concrete, cement plasters, cement-lime). It is more resistant to weather conditions and has better hydrophobic properties than classical acrylic plasters. Recommended to coverage and finishing the surfaces of buildings without the need of painting, or plasters with an interesting texture to be used on the inside and outside of buildings. Plaster has permanently attractive colors. Specially selected components and hydrophobic components make the plaster not easily soiled and resistant to moss growing. Silicone plaster is also very resistant to water and UV rays.

Type of subsoils: concret base, cement plaster, cement-lime, under mineral plasters, thermal insulation of wall surfaces with the use of styrofoam boards or hard elevation mineral wool, covered with a layer of adhesive mortar with embedded glass mesh.

### PROPERTIES:

- very high flexibility
- very good adhesion to the ground
- low saturation, high steam-permeability
- Impact resistance
- durability

- excellent washability
- resistance to fungal infections
- resistance to weather conditions (temperature changes, rain, UV rays, gases)
- odorless, not danger to health, ecological

Depending on the use of fillers and various distribution of particles in the composition of silicone plasters they have different structure and layer thickness.

In production available are: gritty (1,5 mm, 2,5-3,0kg/m<sup>2</sup>) and grooved (2,0 mm, 2,4-2,9/m<sup>2</sup>) - The average useage may change depending on the quality of the ground, equality and executive skills. Apply the appropriate primer to improve adhesion. In this case, we recommend using SILOTYINK primer.



PACKAGE CAPACITY	PACKAGE TYPE	COLO RING	ON THE PALLET
25kg	bucket	120 colors on the color palette	22

## ACRYLIC PLASTER AKRYLMAX

**FINAL, NOBLE, DECORATIVE LAYER ON MINERAL SUBSTRATES** (such as concrete, cement plasters, cement-lime plasters). Especially recommended for covering as the final surface finish of buildings without the need to paint, or as an interesting texture plaster for use on indoor and outdoor surfaces. Plaster has permanent attractive colors. Specially selected components and hydrophobic components make the plaster not so easily soiled and overgrown with moss.

**TYPE OF SUBSTRATE:** Concrete substrates, cement plasters and cement-lime, primer mineral plasters, insulated wall surfaces with the use of polystyrene boards or hard facade mineral wool, covered with a layer of adhesive mortar with embedded glass mesh. Thanks to carefully selected ingredients, plasters exhibit the following properties:

- very high flexibility, plasticity, easy workability and overlayability,
- very good adhesion to substrates,
- high absorbability, high permeability,
- impact resistance, durability,
- excellent washability,

- resistance to growing of fungi and mold on the surface plaster
- resistance to weather conditions (changes temperature, rain, UV rays, gases),
- success not danger to health, ecological.

In production available are: grit, grooved-bark.

Depending on the thickness and type of grain in silicate plasters on / in textures, the approximate usage is: grit 1,5 mm (2,5 - 3,0 kg / m<sup>2</sup>), grooved 2.0 mm (2,4 - 2,9 kg / m<sup>2</sup>).

Usege may change depending on the quality of the foundation of equality and performance skills. Apply the appropriate primer to improve adhesion. In this case, we recommend using primer LITOTYINK BORAMAX.



PACKAGE CAPACITY	PACKAGE TYPE	COLO RING	ON THE PALLET
25kg	bucket	120 colors on the color palette	22

## DEKOMAX MOSAIC PLASTER

**MOSAIC PLASTER** – designed for making decorational , protective surfaces of a thin layer , outdoor and indoor use , thanks to its special transparent resin content it binds colored quartz aggregates, it has also a perfect adhesive properties to traditional plasters, concrete and gypsum surfaces, gypsum plasterboards, particleboards. The quartz aggregates are in a grain size of 1,2-1,8 mm. Application of grains of this kind allow to level some inequalities optically on plaster surfaces. The aggregates is carefully selected and colored three times using a special technology in order to prevent from decolorization and obliteration of colour during application. The mosaic plaster is resistant to UV radiation , it does not decolorize , fade, erode. The material should be applied and smoothed with a metal spatula. After binding we obtain a colourful mass of grain structure. The material properties allow to mask a rough surfaces of the ground and cracks. Thanks to its high resistance to mechanical damages it can be also recommended for making of bases, ledges, panellings for example in a staircase. It is recommended for using it on exposed to wearing walls inside of buildings located by the entrance or in the corridor. Out side it is recommended to use it on the surfaces which can be dirty easily, on balustrades and window frames. For priming the surface before putting mozaic, a special

primer such as Boramax Litotynk or Boramax Pro-Kwarc is being recommended.

### TECHNICAL DATA:

Application temperature : from +10°C - +25°C

Substrate temperature : from +10°C - +25°C

Volume thickness: ok. 1,85g/cm<sup>3</sup>

Colours available in a palette

**CONSUMPTION** : A medium consumption of a plaster on a proper substrate depends on the grain thickness and a porous substrate: 3,5 kg -4,5 kg/m<sup>2</sup>, it depends on a thickness of putting layer, porous and smooth substrate. In order to define the product consumption more clearly it better to use it on a proper substrate.

**STORAGE AND TRANSPORT CONDITIONS:** Plaster should be stored in a tight, undamaged package in a temperature of from +5°C- +25°C, it should be protected against extremely warm and cold temperature. The validity period od the product is 12 months, from the date on package. The product should be stored in a place banned from kids.

**CHEMICAL ANALISIS** : Dekomax is a mass of plastic formula made on the basis of acrylic dispersion, additional modifiers, coloured quartz aggregates and preservative.



PACKAGE CAPACITY	PACKAGE TYPE
25kg	bucket

## SILOTYNK BASED PRIMER UNDER SILICONE PLASTER



Is professional product designed for making subcoating layer under thin silicone decorative plasters in order to increase their adhesion to the substrate. Decrease in the probability of the discoloration in the plaster layer, evens water absorption and water resistance of the subsoil. Silotynk can be used to all typical mineral ground for example: concrete, cement plasters, lime-cement, cement-lime, lime and in mesh reinforced layers in thermal insulation Boramax. It is an integral element of the set of products in thermal in the thermal insulation BORAMAX with a guaranty compatibility with silicone plasters BORAMAX SILMAX. For customer request colors are available from the color pattern realized with pattern and color system.

Color brown white. Capacity: 0,3kg/1m<sup>2</sup> Usually (depends from quality and absorbability level of the base)

How to used: Based primer under plaster BORAMAX LITOTYNK it is available in a ready-to-use form after previous mixing to align consistency. Product can not be

combined with other materials, dilute or thicken. Apply evenly on the prepared subsoil with roller or brush. Do not work in temperature under +5°C. The cooling time depends on the atmospheric conditions and is taken from 4-8 hours. Important! Before application plaster LITOTYNK must be completely dry and resistant to washing.

BORAMAX LITOTYNK should be stored and transported in the manufacturer's original closed buckets in conditions not exposed to direct heat sources, temperature more than +5°C. Expire period to used is 12 months from the production date with series number on the box.

Technical details:

Adhesion to the substrate (PN-80/C-81531): 1 step

Temperature of the ambient and substrate: from +5°C up to +30°C

Capacity of the product: 1,50g/cm<sup>3</sup>

### PACKAGE CAPACITY

10kg

### PACKAGE TYPE

bucket

### ON THE PALLET

48

## AKRITYNK BASED PRIMER UNDER ACRYLIC PLASTER



Is professional product designed for making subcoating layer under decorative plasters (mineral, acrylic, mosaic) This is on purpose increase adhesive to the base and align their its absorbency. It reduces the probability of the scratches and discoloration in the plaster layer. Product can be used to all typical mineral ground for example: concrete, cement plasters, lime-cement, cement-lime, lime and in mesh reinforced layers in thermal insulation Boramax. It is an integral element of the set of products in thermal in the thermal insulation BORAMAX with a guaranty compatibility with acrylic, mosaic and mineral plasters BORAMAX. For customer request colors are available from the color pattern realized with pattern and color system. Capacity: 0,3kg/1m<sup>2</sup>

Usually (depends from quality and absorbability level of the base)

How to used: Based primer under plaster BORAMAX AKRITYNK it is available in a ready-to-use form after previous mixing to align consistency. Product can not be

combined with other materials, dilute or thicken. Apply evenly on the prepared subsoil with roller or brush. Do not work in temperature under +5°C. The cooling time depends on the atmospheric conditions and is taken from 4-8 hours. Important! Before application plaster AKRITYNK must be completely dry and resistant to washing. BORAMAX AKRITYNK should be stored and transported in the manufacturer's original closed buckets in conditions not exposed to direct heat sources, temperature more than +5°C. Expire period to used is 12 months from the production date with series number on the box.

Technical details:

Adhesion to the substrate (PN-80/C-81531): 1 step

Temperature of the ambient and substrate: from +5°C up to +30°C

Capacity of the product: 1,50g/cm<sup>3</sup>

### PACKAGE CAPACITY

10kg

### PACKAGE TYPE

bucket

### ON THE PALLET

48

## LITOTYNK BASED PRIMER UNDER PLASTER



**APPLICATION: BASED PRIMER BORAMAX LITOTYNK** used for preparing building substrates outside and inside of buildings, before putting all kinds of mineral plaster, acrylic and mosaic plasters too.

**PRODUCT DESCRIPTION:** LITOTYNK protects the substrate, makes an adhesive surface and prevent from absorbing of pollutants from glue mortars which can cause stains on a plaster surface. LITOTYNK is a primer, made on basis of synthetic resin dispersion, waterproof, non flammable of light smell, environmentally friendly.

**SUBSTRATE PREPARING :** The substrate should be stabled, equalied and dried, carefully cleaned and out of all the substances (oil) which can prevent from binding. The substrates of high level of humidity before starting works should be dried carefully. It is unacceptable to use it on a frozen substrate.

**ATTENTION:** Application on a substrate of a high absorption level should be protected with initial priming with emulsion BORAMAX PRIMER PROFESSIONAL or BORAMAX PRIMER

deep penetration. The products are available in our offer.

**DIRECTION OF USE :** A priming base BORAMAX LITOTYNK of a formula ready to use after previous mixing in order to smooth the consistency. The preparation should not be mixed with the other materials, dilute or condense. It should be applied regularly on prepared surface using the roller or a brush in a temperture below +5°C. The drying time depends on weather conditions and it is about 4-8 hours. Attention – before putting a plaster, the preparation LITOTYNK should be dry and resistant to washing.

**CAPACITY:** The product capacity depends on its quality and an absorbing level of the surface, about 0,3 kg/1 m<sup>2</sup>.

**STORAGE AND TRANSPORT CONDITIONS:** BORAMAX LITOTYNK should be stored and transported in an original, tightly closed packages in a temperature above +5°C. Validity period is about 12 months starting from a production date placed on a package.

**TECHNICAL DATA :** Surface adhesion (wg PN-80/C-81531) :1 level, surroundings and substrate temperature: +5°C- +30°C, thickness preparation: 1,5 g/cm<sup>3</sup>

### PACKAGE CAPACITY

4kg, 7kg, 14kg

### PACKAGE TYPE

bucket



## PUTZ FINISH MAXTER BORAMAX

**PUTZ FINISH MAXTER**– used inside of building, recommended for using during finishing works and smoothing wall surfaces and ceilings. Thanks to a special formula the final surface is smooth and ready for painting and wallpapering. It is easy to work with and it does not cover with dust during polishing. After smoothing, the final version of layer is ready for priming and painting.

does not cover with dust.

**CAPACITY** 0,5 – 1 kg/m<sup>2</sup>, depends on a surface absorption

**ADVANTAGES OF A PRODUCT** : it is ready to use, environmental friendly, thanks to its mineral and natural components content the final layer has a steam permeable features. The product has a plastic, elastic formula and determines excellent properties to concrete, chalky and gypsum plasters, after drying it turns into perfect white surface. Thanks to its white colour we obtain very good result even after single layer of painting. Its formula and flexibility allow to put it with no effort and with a spatula made of stainless steel. During polishing it can



PACKAGE CAPACITY	PACKAGE TYPE
1,5kg, 5kg, 9kg, 15kg, 25kg, 35kg	bucket

## SUPER THICK LIQUID FOIL BORAMAX

### SUBSTRATE, WATERPROOF PRODUCT WITH ANTI MOISURE FILLING.

#### SUBSTRATE, WATERPROOF PRODUCT WITH ANTI MOISURE FILLING.

A thick foil in liquid version designed for making an anti moisture, thin layers (1mm-3mm) with insulation properties in bathrooms, shower cabins, laundries, basements, terraces, balconies. The product with a perfect adhesion to substrates such as cement-chalky plaster, gypsum plasterboards, shaving boards, concrete and anhydrous substrates, ceramic blocks and suporex. It can be also applied on old tiles and wood based substrates. Because of its stickiness and thickness feature the product is perfect for vertical insulation. After drying we obtain a substrate ready for all finishing materials such as: tiles, terracotta, wood – based floors and materials and synthetic floor – coverings. The product is blue.

A perfect flexibility allows to apply it in places of hampered access. The foil is easy and quick in applying it, only one layer of 1 mm it is enough, it can be applied with no professional tools. The product can not be used in applications demanding a huge resistance to load, it means exposed to water of a high pressure (swimming pools insulation).

**CAPACITY:** from 1,5 kg/m<sup>2</sup> substrate of thickness 1,5 mm



PACKAGE TYPE	PACKAGE CAPACITY
bucket	1,2kg, 4kg, 6kg, 12kg

## LIQUID FOIL BORAMAX

### ANTI MOISURE, SUBSTARTE PRODUCT OF WATERPROOF FEATURES

#### ANTI MOISURE, SUBSTARTE PRODUCT OF WATERPROOF FEATURES

A liquid foil designed for making anti moisture, insulation layers in bathrooms, shower cabins, laundries, basements, terraces, balconies. It is designed for mineral construction insulation against water absorption. In order to protect the foil against mechanical and direct UV radiation the foil should be covered with a protection layer of ceramic tiles. After drying we obtain a substrate ready for all finishing materials such as: tiles, terracotta, wood – based floors and materials and synthetic floor – coverings.

#### PRODUCT DISCRIPTION:

- perfect insulation properties

- perfect adhesion to substrate
- comfortable and easy to use
- outside and inside application

**CAPACITY:** 1kg/6m<sup>2</sup> – one layer of the product



PACKAGE TYPE	PACKAGE CAPACITY
bucket	1kg, 3kg, 5kg, 10kg



**PRIMER PRO-TYNK BORAMAX USED UNDER GYPSUM, CEMENT, CEMENT – CHALKY PLASTER**



**CONCENTRATE, MAXIMUM DILUTION 1:4 , 600 m<sup>2</sup> OF THE SUBSTRATE, A 15 KG PACKAGE**

**APPLICATION:**

- priming mineral surfaces of good absorption properties outside and inside of buildings.
- strengthening the surface, regulates its absorption, improves adhesion
- steam permeable, allows the substrate to breathe
- used under gypsum plasters, cement, cement – chalky, self – levelling floors
- used under finishing coats, gypsum glues, facade paints,
- very efficient product of strong covering features, increases the efficiency of each next layer

**CAPACITY:** 0,1 – 0,3 kg/m<sup>2</sup>, it depends on a surface absorption level

**PRODUCT DESCRIPTION:**

**PRIMER PRO – TYNK** it is a suspension of synthetic resins of high resistance to alkaline substances with additional modifiers. The ability to penetrate cause strengthness and flattening parameters of whole surface. It regulates an absorbing process of priming surfaces and improves binding conditions or increases adhesion of each next layer, putting on priming surfaces. After drying the product makes a light yellow, unwashing, steam permeable layer. The primer is made of the highest quality components, thanks to it, the product is an ideal substrate for next layers of materials putting on a surface.

**AVAILABLE COLOURS**

yellow

**PACKAGE TYPE**

bucket

**PACKAGE CAPACITY**

3kg, 10kg, 15kg

**PRIMER PRO-KWARC – A PRIMING PRODUCT OD A HIGH ADHESIVE FEATURES**



**THE PRODUCT IS RECOMMENDED FOR PRIMING SURFACES DEMANDING A HIGH LEVEL ADHESION AND A STRONG BINDING PROPERTIES( ROOFS, CEILINGS, SLOPING ROOFS ) TO 100 m<sup>2</sup> OF A PRIMING SUBSTRATE FROM A PACKAGE OF 20 KG.**

**APPLICATION:**

- priming mineral surfaces outside and inside of buildings
- ready to use, made of quartz sand, improves its adhesion to substrate
- exceptionally recommended to smooth surfaces of low absorption level such as: wall, concrete roof.
- steam permeable, allows the substrate to breathe.
- used under gypsum plaster of thin layer.
- recommended for priming OSB boards and other smooth surfaces.

**PRODUCT DESCRIPTION:**

The primer **PRO-KWARC** of high adhesion properties is a material ready to use, made of synthetic resin of high resistance level to alkaline substances, quartz sand and additional modifiers. The quartz sand allows to obtain a porous surface and in this way increase an adhesion of each layer of putting material. After drying we obtain a layer of a brick coloured.

**CAPACITY:** 0,2 - 0,4 kg/m<sup>2</sup>

**AVAILABLE COLOURS**

brick red

**PACKAGE TYPE**

bucket

**PACKAGE CAPACITY**

4kg, 15kg, 20kg

**BASED PRIMER STRONG COVER AND FILL**



**BORAMAX PRIMER SUPER MATT - SUPER STRONG COVER THE DISCOLORATIONS AND STAINS, INCREASE MATT EFFECT. PRIMER UNDER PAINTS**

It is strong opaque, universal, highly efficient, ecological preparation designed for priming and strengthening substrate, that should be applied before last layer of paint. Dedicated especially under paints with matt effect, deepens the effect of used paint. Thanks to its consistency, and noble and small molecule fillers, the product has very good covering properties and excellent adhesion even to non-standard building materials. Ideal for masking discolorations, damp patches and stains on painted surfaces. Due to its characteristics, primer is recommended for painting by using spray gun, which speeds up the work and allows to make a professional wall-finish effect, so-called developer's state. It can be colored with ordinary paint pigments, which deepens the effect given to color. It reduces the absorption of the substrate and improves the adhesion of applied paints, and reduces their usage. Strengthens the surface. By selecting the highest quality ingredients, the

formulation can be used both for priming the surface inside and outside. **BORAMAX SUPER MATT PRIMER** can be applied to building materials such as: brick, plaster, concrete, plasterboard, cement plaster, lime plaster, gypsum plaster, cement-lime plaster, cement-modified, thin-layer plasters, emulsion paints, etc., and its use is very economical. It is enough to cover the surface by one layer of primer and one, maximum two layers of finishing paint. **BORAMAX SUPER MATT PRIMER** can be applied on horizontal and vertical surfaces. It is very strong cover formulation, while engraining in paint colour, in a high extent reduces its usage, which allows for regular distribution of the entire painted surface. **BORAMAX SUPER MATT PRIMER** can be colored on your own by using pigments available on the market. It has a short drying time approx. 30 to 180 minutes at the temperature 18°C. The yield approx.: 0,15-0,22 kg / square meter.

**PACKAGE TYPE**

bucket

**PACKAGE CAPACITY**

5kg, 10kg

## DEEP PENETRATING PRIMER BORAMAX

**A SPECIAL, FINE ACRYLIC PRIMER RECOMMENDED TO BE USED UNDER CERAMIC TILES AND ON LOOSE, OLD AND DAMAGED SUBSTRATES.**

**APPLICATION:**

- covering concrete substrate, ceramic boards, gypsum substrates and gypsum plasters.
- recommended to very old surfaces which losing their parameters because of time passage.
- the primer is recommended for using it under smoothing floors, ceramic tiles, glues. The product is being put on concrete, gas concrete, cement boards, cement and cement- chalky plasters, gypsum plasters, gypsum plasterboards, wood – based materials.
- after application we obtain an effective protection layer designated for self-levelling floors.
- as an additional compound in a cement mortar, the primer protects it against cracks.

- as an additional compound in a rift and mortar, improves its flexibility and frost proof features.

**PRODUCT DESCRIPTION:**

- fine formula cause a deep penetration of the ground
- optimal selection of the highest quality compounds used in a prime production allow to prime all absorbing and porous surfaces outside and inside.
- strengthening the substrate, reducing and smoothing its absorption level.
- improving the substrate adhesion and protecting against moisture.

**CAPACITY:** 1l/20m<sup>2</sup>



PACKAGE TYPE	PACKAGE CAPACITY:	AVAILABLE CONCENTRATE
bottle, container	bottle 1l, container – 5 l,10l	2:1

## PROFESSIONAL PRIMER BORAMAX

**PROFESSIONAL PRIMER BORAMAX**

**APPLICATION:**

- covering concrete surfaces, cement boards, gypsum substrates and gypsum cartonboards.
- used as a preparation under paints, glues, plasters, floor coverings.
- as a deep penetration and reinforcement of porous, weak and fragile substrates
- protecting against moisture
- binding dust in the surface
- used as a protection layer for the self-levelling floors, facilitation of maintenance, protection against dust

**CAPACITY:**

- 1l / do 20 m<sup>2</sup> for the first priming

**PRODUCT DESCRIPTION:**

- dilution 1:1
- strengthening, priming and isolating painted surfaces
- cutting an absorption level of surface
- increasing a binding of mortar
- application without dilution creates an anti dust and a dust absorption layer of impregnated surface.



PACKAGE TYPE	PACKAGE CAPACITY:	AVAILABLE CONCENTRATE
bottle, container	bottle 1l, container – 5 l,10l	1:1

## ECOLINE PRIMER BORAMAX

**AN ACRYLIC PRIMER**

**APPLICATION:**

- covering concrete surfaces, cement boards, gypsum substrates and gypsum cartonboards.
- used as a preparation under paints, glues, plasters, floor coverings.
- as a deep penetration and reinforcement of porous, weak and fragile substrates
- protection against moisture
- binding dust in the surface
- dust protection and facilitation of maintenance

**PRODUCT DESCRIPTION:**

- effectively strengthening painted surfaces
- cutting an absorption level of substrate
- increasing a mortar binding
- eliminating stains

**CAPACITY:**

- 1l / do 10m<sup>2</sup> of the first priming



PACKAGE TYPE	PACKAGE CAPACITY:
bottle, container	bottle 1l, container – 5 l,10l

## WOOD PRESERVER BORAMAX – READY TO USE



### FOUR FUNCTION WOOD PRESERVER WITH AN ANTI FLAME PROTECTION DESIGNED FOR WOOD – BASED CONSTRUCTION MATERIALS.

#### APPLICATION:

- roof construction and the other wood-based materials
- used for protection of wood construction placed in spaces preventing from washing out
- protection against fire, insects, fungi (causing a deep wood decay)
- for common and industrial application

#### PRODUCT DESCRIPTION:

- flame protection
- against mould and insects
- used inside

**CAPACITY:** 1 kg / 4 m<sup>2</sup>



#### AVAILABLE COLOURS

colourless, red, green, brown

#### TYPE OF PACKAGE

container

#### PACKAGE CAPACITY

5kg

## WOOD PRESERVER BORAMAX - CONCENTRATE 1:4



### CONCENTRATE, DILUTION 1:4 , FOUR FUNCTION WOOD PRESERVER WITH WOOD PROTECTION, USED FOR CONSTRUCTION WOOD.

#### APPLICATION:

- roof construction and the other wood-based materials
- used for protection of a wood construction placed in spaces preventing from washing out
- protection against fire, insects, fungi (causing a deep wood decay)
- for usual and industrial application

#### PRODUCT DESCRIPTION:

- flame protection
- against mould and insects
- used inside

#### CAPACITY:

- four function protection 1 kg / 5 m<sup>2</sup>
- three function protection 1 kg / 20 m<sup>2</sup>



#### AVAILABLE COLOURS

colourless, red, green, brown

#### TYPE OF PACKAGE

bucket

#### PACKAGE CAPACITY

5kg, 20kg

#### AVAILABLE CONCENTRATE

1:4

## WOOD PRESERVER BORAMAX FOR CONSTRUCTIVE WOOD - READY TO USE



### NON WASHING, THREE FUNCTION WOOD PRESERVATIVE BORAMAX FOR CONSTRUCTION WOOD

#### APPLICATION:

- roof construction and the other wood based materials
- designed for wood based materials protection placed inside and in spaces exposed to environmental conditions effects.
- protection against insects and fungi (causing a permanent wood decay).
- for common and industrial application.

#### CAPACITY:

- 140 kg/m<sup>3</sup> of wood , 3 class of risk, wood exposed to washing process

- 800g of wood preserver/m<sup>2</sup> of wood-based surface, two times painted, 2 class of risk, wood not exposed to washing process
- 600g of wood preserver/m<sup>2</sup> of wood-based surface, two times painted, 1 class of risk, wood not exposed to washing process

**The product available in industrial packages for sawmills.**

#### PRODUCT DESCRIPTION:

- does not cause any metal corrosions
- non washing
- fungi and insects protection
- used outside and inside



#### AVAILABLE COLOURS

colourless, green, brown

#### TYPE OF PACKAGE

container

#### PACKAGE CAPACITY

5kg



## WOOD PRESERVER BORAMAX FOR WOOD CONSTRUCTION – CONCENTRATE 1:9

### CONCENTRATE, DILUTATION 1:9, NON WASHING, THREE FUNCTION WOOD PRESERVER FOR WOOD CONSTRUCTION

#### APPLICATION:

- roof construction and the other wood based materials.
- designed for wood based materials protection placed inside and in spaces exposed to environmental conditions effects.
- protection against insects and fungi (causing a permanent wood decay).
- for a common and industrial application.

#### CAPACITY:

- 80 g of concentrate/m<sup>2</sup> of wooden surface

surface, two times painted, wood exposed to washing process (3 class of risk)  
- 60 g of concentrate/m<sup>2</sup> of wooden surface, two times painted, wood not exposed to washing process (1 class of risk).

**Available in industrial packages made for sawmill.**

#### PRODUCT DESCRIPTION:

- does not cause any metal corrosions.
- non washing
- protection against insects and fungi
- for outside and inside use
- the product contains a control pigment



AVAILABLE COLOURS	TYPE OF PACKAGE	PACKAGE CAPACITY	AVAILABLE CONCENTRATE
colourless, green, brown	bottle, container	bottle 1 kg, container 5 kg, 20kg	1:9; 1:19

## WOOD PRESERVER BORAMAX FOR GARDEN AND CONSTRUCTION WOOD – CONCENTRATE 1:9

### CONCENTRATE, DILUTATION 1:9, NON WASHING PRESERVER DESIGNED FOR CONSTRUCTIVE AND GARDEN WOOD IN FOUR CLASS OF IMPREGNATION, IT MEANS THE WOOD IS RESISTANT TO GROUND CONTACT.

#### APPLICATION:

- roof construction and the other wood – based materials (beams, garden architecture)
- designed for immersion and surface impregnation
- protection against fungi and insects which cause a deep wood decay placed under roofing and exposed to washing.
- after application, the wood colour is grey- green and the surface structure of wood is still kept.
- for common and industrial application

**Available in industrial packages made for sawmill.**

#### PRODUCT DESCRIPTION:

- does not cause any metal corrosions.
- non washing
- protection against insects and fungi
- for outside and inside use

#### CAPACITY:

- non roofing wood 1 kg / 13 m<sup>2</sup>
- roofing wood 1 kg / 25 m<sup>2</sup>



AVAILABLE COLOURS	TYPE OF PACKAGE	PACKAGE CAPACITY	AVAILABLE CONCENTRATE
olive grey	bottle, container	bottle 1 kg, container 5 kg, 20kg	1:9; 1:19

## WOOD PRESERVER BORAMAX FOR ROOF CONSTRUCTION, COLOURED – CONCENTRATE 1:9

### CONCENTRATE, DIUTATION 1:9, NON WASHING, THREE FUNCTION WOOD PRESERVER DESIGNED FOR WOOD CONSTRUCTION

#### APPLICATION:

- roof construction and the other wood based materials.
- designed for wood based materials protection placed inside and in spaces exposed to environmental conditions effects.
- protection against insects and fungi (causing a permanent wood decay).
- for a common and industrial application

#### PRODUCT DESCRIPTION:

- does not cause any metal corrosions.
- non washing
- protection against insects and fungi
- for outside and inside use
- the product contains a control pigment

#### CAPACITY:

- 1 kg / 33 m<sup>2</sup> - roofing wood



AVAILABLE COLOURS	TYPE OF PACKAGE	PACKAGE CAPACITY	AVAILABLE CONCENTRATE
green, grey	bottle, container	bottle 1 kg, container 5 kg, 20kg	1:9

### THE MOULD RESISTANT PRODUCT BORAMAX ACTIV



#### SURFACE ACTIVE PRODUCT OF FUNGI AND MOULD RESISTANT FEATURES

##### APPLICATION:

The product combats mould, fungi and algae from walls, rifts, ceramic tiles, sanitary ceramic, shower cabins, wallpapers, wood – based materials. It is perfect for application on smooth and porous surfaces, recommended to spaces of high level of moisture : bathrooms, basements. Designed for a common (house works) and professional (medical) use . It contains an active substance which eliminates moulds and fungi ( black coating). The product has bactericidal ( 5 minutes after application), fungicide ( 15 minutes ) properties.

##### PRODUCT DESCRIPTION:

- surface active
- eliminates a black coating and other unesthetic effects
- protection against mould and alga
- for inside and outside use

**CAPACITY:** 1l / do 2,5 - 5 m<sup>2</sup>



#### TYPE OF PACKAGE

atomizer , bottle, container

#### PACKAGE CAPACITY

atomizer – 0,5 l , bottle – 1 l , container – 5 l

### THE FUNGI RESISTANT PRODUCT OF A DEEP PENETRATION BORAMAX



#### THE PRODUCT DESIGNED FOR ELIMINATING FUNGI ON WALLS AND WOOD- BASED MATERIALS.

##### APPLICATION:

- plasters, walls, wood and the other surfaces exposed to fungi effects.
- recommended to protection and elimination of home fungi and wood- based materials exposed to a high level of moisture and washing.
- protection against algae of walls, stone constructions, brick constructions and the other materials.
- designed for eliminating of fungi from walls, stone construction, bricks construction and the other materials.
- for a common and professional application

##### PRODUCT DESCRIPTION:

- a deep penetration
- protection against fungi and algae
- for an inside and outside use

**CAPACITY:** 1l / do 2,5 - 5 m<sup>2</sup>



#### TYPE OF PACKAGE

atomizer, bottle, container

#### PACKAGE CAPACITY

atomizer – 0,5 l , bottle – 1 l , container – 5 l

### SUPER CLEANER BORAMAX



#### THE PRODUCT DESIGNED FOR ELIMINATING COAL COATINGS AND CEMENT DIRT.

##### APPLICATION:

- for eliminating the remnants of cement mortar, a coal coating and also for washing the machines and the tools as well.
- the product cleans pavements, clinkier bricks and other building materials
- refreshes of colour and restores an aesthetic state of concrete materials.
- quick and careful eliminating of old remnants of cement mortar and concrete from machines and tools.
- its chemical activity does not cause any damages of cleaned surfaces.

##### PRODUCT DESCRIPTION:

- eliminating coatings of coloured concrete and clinkier bricks
- cleaning cement dirt
- ensuring an aesthetic view of concrete

#### TYPE OF PACKAGE

bottle, container

#### PACKAGE CAPACITY

bottle – 1 l , container – 5 l



## SUPER VAPNO MIX

**A PROFESSIONAL ADMIXTURE OF ELASTIC PROPERTIES DESIGNED FOR MORTARS OF HIGH CAPACITY LEVEL.**

**APPLICATION:**

- for plaster and brick mortars and also for cement rifts .
- for application in brick works, particularly for making plasters inside and outside ( under tiles ).
- recommended to all kinds of works ( brick and plaster).
- plasticiser can be applied in a temperature of -2°C

**PRODUCT DESCRIPTION:**

- strong elastic properties, liquified and oxygenate a cement mortar
- increases frostproof properties
- extends a processing time of ready made mortars
- increases insulating properties
- minimizes the risk of cracks
- after application a mortar has an ideal consistency for plaster and brick works
- cut a level of water consumption
- cut the amount of coal coatings
- increased a surface adhesion

**CAPACITY:**

- 110 ml - 180 ml / 50kg of cement



**TYPE OF PACKAGE**

bottle, container



**PACKAGE CAPACITY**

bottle – 1 l , container – 5 l

## SUPER VAPNO MIX - WINTER VERSION

**A PROFESSIONAL ADMIXTURE OF ELASTIC PROPERTIES DESIGNED FOR MORTARS OF HIGH CAPACITY LEVEL, ALLOWS TO WORK IN LOW TEMPERATURES TO -10° C**

**APPLICATION:**

- for bricklaying and plaster mortars, can be applicated in temperatures to -10°C
- designed for an application in all bricklaying and plaster works in a low temperature level
- especially recommended for making plaster (outside and inside) or smoothing surfaces of walls

**CAPACITY:** 426ml - 538ml/ 50kg of cement

**PRODUCT DESCRIPTION:**

- increases the flexibility, liquified and oxygenate the cement mortar
- increasing a cement binding
- increases frostproof properties
- eliminates a crack effect on finished surface of mortar
- reduces costs of mortar ( low level of cement and lime in ready mixture )
- influences on the consistency of mortar ( ideal for bricklaying and plaster works)
- cuts level of water usage
- reduces the amount of coal coatings
- increases adhesion properties of mortar



**TYPE OF PACKAGE**

bottle, container



**PACKAGE CAPACITY**

bottle – 1 l , container – 5 l

## VAPMIX

**UNIVERSAL PLASTICISER – REPLACED LIME IN A CEMENT MORTARS**

**APPLICATION:**

- in plaster mortars, cement rift and also for bricklaying mortars
- a plasticiser designed for application in all bricklaying mortars, especially in plaster making works (inside and outside), to smooth wall surfaces e.g. ( under tiles).
- in all bricklaying and plaster making works.
- a plasticiser can be used in a temperature of limit -2°C

**PRODUCT DESCRIPTION:**

- strong elastic properties, liquified and oxygenate a cement mortar
- increases frostproof properties
- extends a processing time of ready made mortars
- increases insulating properties
- minimizes the risk of cracks

**CAPACITY:**

- 140 ml-250 ml/50 kg of cement



**TYPE OF PACKAGE**

bottle, container



**PACKAGE CAPACITY**

bottle – 1 l , container – 5 l



## BETONAL



**A MODERN PLASTICIZER DESIGNED FOR CONCRETE, CUTTING THE AMONUT OF WATER, THE FORMULA OF CONCRETE AFTER APPLICATION IS VERY ELASTIC AND IT BINDS CONCRETE MOLECULES , IT IS RECOMMENDED FOR SELF -LEVELLING FLOORS EXPOSED TO HUGE TEMPERATURE CHANGES.**

### APPLICATION:

- for concrete floors, self-levelling floors made for heating and for making a concrete gallantry
- for production of fine concrete elements e.g. paving stone
- improves an exterior of surface
- keeps the colour of painted concrete ( paving stone)
- for a frost proof concrete production of a low absorbtion level
- for a concrete production used in agresive conditions

- allows to cut a duration time of mixing in a concrete mixer
- facilitates a concrete pumping

### PRODUCT DESCRIPTION:

- increases flexibility of concrete
- strengthens a power of binding concrete
- prevents from cracks
- increases waterproof, frostproof and endurance properties of concrete

### CAPACITY:

- from 0,2l to 0,3l / 50 kg of cement



### TYPE OF PACKAGE

bottle, container

### PACKAGE CAPACITY

bottle – 1 l , container – 5 l

## BETOZIM



**A PLASTICIZER ENABLING A CONCRETE BINDING IN LOW TEMPERATURES TO -10°C.**

### APPLICATION:

- for concrete floors, self-levelling heating floors
- for making a concrete gallantry
- for preparing self- vertical levelling floors and also self-levelling floors (underfloor heating) in low temperature conditions
- for all kinds of concrete making in low temperatures conditions
- facilitates putting concrete in low temperature conditions ( limit-10°C )

### CAPACITY:

- 0,2 to 0,75l / 50 kg of cement

### PRODUCT DESCRIPTION:

- hastens cement binding in concrete
- enables hydration (cement binding in low temperature conditions)
- increases a flexibility level of concrete mix
- strengthens an inside power of concrete binding necessary for underfloor heating.
- increases a water proof, frost proof and endurance of concrete
- increases a concrete resistance to salt and envinromental conditions
- purposely extends working processes of concrete mix



### TYPE OF PACKAGE

bottle, container

### PACKAGE CAPACITY

bottle – 1 l , container – 5 l

## HYDROBET



**A WATERPROOF SEALANT DESIGNED FOR CONCRETE OF FLEXIBILITY PROPERTIES**

### APPLICATION:

- waterproof concrete gallantry, ornamental ponds, mucu, waterproof concrete flooring and ceilings.
- for making concrete constructions exposed to permanent and periodical water activity
- for making elements of concrete gallantry of low absorbtion level e.g. paving stone, plasterboards, concrete fences.
- for making concrete self-levelling floors
- recommended for self-levelling heating floors

### PRODUCT DESCRIPTION: :

- increases the flexibility of concrete mixture reducing level of water consumption
- prevents from agregate and water separtaion in a concrete mixture
- increases a concrete resistance to salt and envinromental conditions
- extends an exploitation time of concrete
- closes capillary holes limiting coal coatings

### CAPACITY:

- 0,5l/50kg of cement



### TYPE OF PACKAGE

bottle, container

### PACKAGE CAPACITY

bottle – 1 l , container – 5 l

## FASTBET

### FASTBET CHORIDLESS ACCELERATOR FOR CONCRETE AND CEMENT MONTAR

Innovation plasticizer accelerative binding cement in concrete, mortars and glue. It is make possibilities to work in negative temperatures up to -10°C.

- increases frost resistance
- can be used to adhesive mortar
- make possibilities to work in negative temperatures up to -10°C

#### PRODUCT DESCRIPTION:

Especially recommended for concrete flooring, manufacture of concrete accessories, cast concrete, can be used for prefabrication and freight concrete.Used for masonry and glue mortars. It is make possibilities to work in negative temperatures up to -10°C

#### PROPERTIES:

- accelerates concentration and hardening of concrete necessary to achieve handling strength
- prevents water from freezing what allow cement hydration increases early and final strength reducing the amount of water



#### TYPE OF PACKAGE

bottle, container

#### PACKAGE CAPACITY

bottle – 1 l , container – 5 l

## VAP - MIX

### PLASTICIZER DESIGNED FOR CONSTRUCTION MORTARS ,AS A LIME REPLACEMENT.

#### PRODUCT DESCRIPTION:

- as a lime replacement in cement mortars.
- allow an application in weather conditions ( limit -2C) or in case of it is impossible to store a hydratyzed lime and there is no construction site.
- a mortar keep its elastic formula for a long time, also keep a strong penetration properties and it does not flow.
- a mortar does not separate, it is easy to use on vertical and horizontal level.
- after application, a plaster surface is smooth and clean ( without any stains or coatings).
- eliminates the amount of water used in obtaining a proper formula.
- oxygenates a mortar so after hardening process its formula is more hermetic and absorbing, fully resistant to rain and frost.

#### APPLICATION:

- for plaster mortars
- for cement rift
- for bricklaying mortars

#### CAPACITY:

- one bag/ 50 kg of cement



#### TYPE OF PACKAGE

bag

#### PACKAGE CAPACITY

200 bags

## FIBRES

### POLYPROPYLENE FIBRES DESIGNED FOR BORAMAX CONCRETE

#### APPLICATION:

Polypropylene fibres BORAMAX reduces cracks in BORAMAX concrete, increases fireproof and waterproof properties, reduces costs of construction works. It can be used for self-levelling floors ( also for self-levelling heating floors), for prefabricated elements, concrete gallantry such as concrete blocks, cellular concrete, septic tanks, sewage farms, road boards, kerbs, blocks, pipes, paving stones etc. The product is designed for finishing works, mortars preparing, self – levelling floors of thin layer, wall elements, gypsum coverings, stucco, fora concrete and plaster repairs. Polypropylene fibres BORAMAX of cut structure are covered with a water thinned layer facilitating dispersion and moistness. The product reduces cracks, cut an absorbing level, increases a fire and frost resistance , limits chemical penetration. The product improves a resistance to

ingredients separation and a concrete consistency.The fibres can be used as a suplement to concrete, mortars and plasters.

**CAPACITY:** preventing from cracks:  
0,6 – 1 kg / 1m<sup>3</sup> of concrete



#### TYPE OF PACKAGE

a plastic bag

#### PACKAGE CAPACITY

900g, 600g, 150g

### ROOFING TAPES

#### SEALING BITUMINOUS ALUMINIUM-INSULATING TAPE ITSELF-VULCANISATION WITH NEW STRONG MEMBRANE

##### DURABLE AND EASY INSULATION OF YOUR ROOF

Waterproof self adhesive tape repair on the basis of laminated synthetic film with layer of modified bitumen for any roofing work and more ....

##### APPLICATION:

- sealing roofing elements
- sealing gutters and other components of sewage
- sealing and insulation of joints and cracks
- sealing of roofing windows
- sealing of chimney treatments

Aluminum-bituminous tape BORAMAX is a first-class self-adhesive tape, sealing-insulating with metallic lacquered protective coating in five different colors. Thanks to strong new membrane, the product has an almost instant adhesion to construction surfaces such as concrete, sheet metal, wood or building ceramics. The tape can be applied to the cold, without having to use specialized equipment. Tape tends to vulcanizing the itself, exposed to heat and sunlight is resistant to UV light.

##### PREPARATION:

Before use, the surface should be clean and free from dust and dry.

Porous surfaces before using should be a lightly moistened with water. Smooth surfaces should be dry or slightly damp. We recommend that before using the tape at low temperatures (under 5°C), put the product minimum per day at a temperature above 15°C.

##### APPLICATION:

Repair, sealing and insulation of roof coverings, as well as treatment of sheet metal: chimneys, gutters, roof windows and dormers, downspouts, skylights, etc. Tape designed also for sealing the steel and wooden constructions, plumbings, terraces, balconies.

##### DIRECTIONS FOR USE:

Before use, clean the surface from dirt, dust and rust, as well as degrease. Peel off the protective film and then affix to a surface the bituminous layer, press. Can be smoothed by using a roller. While connecting to the two layers of tape parallelly, the box pleats should have a minimum width of 25mm. Storage in a dry place in closed packaging, at temperature: +5 - +40 °C.

Shelf life: 36 months from the production date on the package.



SIZE	COLOUR
10 cm x 10 m, 15 cm x 10 m, 30 cm x 10 m	aluminum, anthracite, red, brown, brick red

### RIDGE TAPE

Used for roof ventilation, mounted in the ridge and ridges. Due to the special construction and type of materials used, full equipment and installations, as well as before their infiltration. Made of two corrugated belts, double-sided lacquered tape, a combination of hot-glued joints and sewn-on stitching with a non-woven reinforcing belt with side-belts, butted with butyl.

##### PROPERTIES

Diffusive liquid-crystal nonwovens and fluid wicking and subcutaneous removal from the outside, quality guarantee related to aluminum and fabric (hot gluing and sewing), notched, standard edges of aluminum tape, in short, with highly profiled roof tiles and on short terms, hot melt adhesive as well as smooth (ceramic plates, concrete, metal, plastics) at -40°C to + 110°C, plastic use of the material and satisfying the ease of ease and speed of assembly, seam resistant to hot hearing, rip the tape in its working device,



SIZE	COLOR	PACKAGE CAPACITY
18 cm x 5 mb, 24 cm x 5 mb, 31 cm x 5 mb	anthracite, brown, brick-red	4

### MEMBRANE BORAMAX EXTRA 135 AND CLASSIC 115

**MEMBRANE BORAMAX** It is a high-class three-layer and vapor-permeable membrane. Made of two layers of polypropylene nonwoven and a functional film that ensures high water vapor permeability and water resistance of the product. It has special stabilizing additives that make the product resistant to UV radiation is 4 months, so it can be left without a cover for such a long period. Thanks to this feature, the roofing installation can be made with a time delay. It is used as a pre-covering for slanted, insulated, ventilated and non-sloped roofs. The product does not require maintaining a ventilation gap between the membrane and thermal insulation (mineral wool, glass, etc.), which means that the membrane may be in direct contact with the insulation. The installation of the final roofing on the membrane should always be done with a patch and counter-batten. It is suitable for almost all types of roofing materials - in particular for concrete roof tiles, ceramic tiles, roof tiles and trapezoidal metal sheets.

##### ADVANTAGES:

Resistant to UV radiation,  
Fast and easy assembly,  
Waterproof.



PROPERTIES	CLASSIC 115	EXTRA 135
Weight	115g/m <sup>2</sup>	135g/m <sup>2</sup>
Fire resistance	E	E
Water resistance	W1	W1
Permeability of the steaming (Sd)	0,05m	0,05m
Stretching resistance	180N/5cm - 90N/5cm	200N/5cm - 110N/5cm
Elongation on maximum stretching (MD/XD)	~ 60%/~ 60%	~ 60%/~ 60%
Damage resistance	70N/ 60N	80N/ 70N
Flexibility in low temperature	(-24)°C	(-24)°C
Temperature resistance	(+) 70°C	(+) 70°C

SIZE	SURFACE MASS	ON THE PALLET
50m x 150cm	75 m <sup>2</sup>	50



## FOIL FOR HORIZONTAL INSULATION

### FOIL FOR HORIZONTAL INSULATION

Designed for horizontal waterproofing insulation of foundation footings, ceilings and partition walls. It protects the walls of buildings and walls against moisture, prevents the ingress of moisture from the ground. Professional, very elastic foil for horizontal insulation BORAMAX because of extra thickness working very good in hard hydrological conditions.

#### MOUNTING:

Foil have to be placed on all width of the base, minimum 20 cm from the overlap. Correctly cover of foil doesn't need to be glued on the connections because pressure of wall is enough to keep very good ventilation in result vulcanization of the foil. Width have to be slightly wider than the foundation footing.



#### SIZE

25cm x 30mb, 30cm x 30mb, 40cm x 30mb, 50cm x 30mb, 60cm x 30mb

## MEMBRANE, INSULATING TAPES AND CORNERS BORAMAX

### DESIGNED FOR A LIQUID VERSION OF FOIL OR THE OTHER WATERPROOF INSULATIONS.

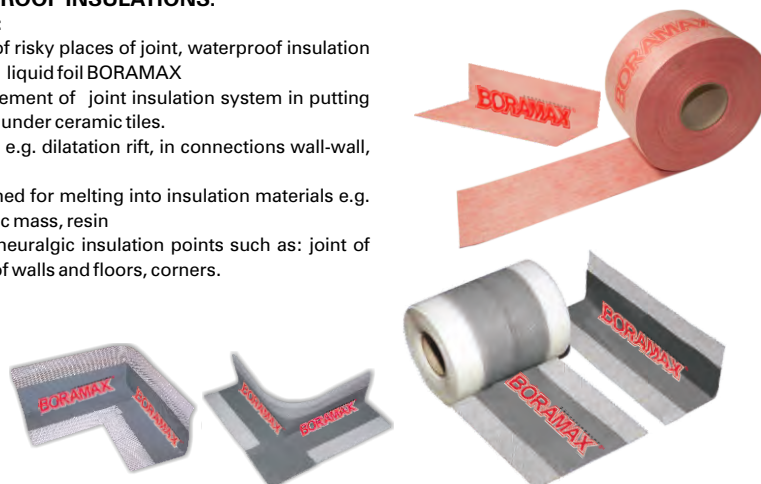
**MEMBRANE** - the sealing tape BORAMAX designed to liquid damp-proof insulation. This flexible and waterproof tape incorporates from the outside the reinforcing interlining, that helps to increase adhesion, and from the inside the high quality waterproof sealing membrane. The membrane retains its parameters of water resistance during the water pressure up to 2 Bar. It is used for protecting critical places of damp-proof sealing complex system, performed by using **BORAMAX LIQUID FOIL**. For corners, consisting of three planes, use the special internal corners and for external corners - dual plane external corners.

#### APPLICATIONS:

- for protection of risky places of joint, waterproof insulation system made by liquid foil BORAMAX
- as an elastic element of joint insulation system in putting insulation layers under ceramic tiles.
- in risky places e.g. dilatation rift, in connections wall-wall, wall-floor.
- the tape designed for melting into insulation materials e.g. liquid foil, bitumic mass, resin
- supporting of neuralgic insulation points such as: joint of side walls, joint of walls and floors, corners.

#### TECHNICAL DATA:

- a total width – 120 mm
- insulation width 120mm - membrana, 70mm - tape
- total thickness 0,70mm - membrana, 0,60mm - tape
- resistance to temperatures of: -5°C + 90°C - membrana, -30°C + 90°C - tape
- outside and inside corners



#### TYPE OF PACKAGE

a box

#### TAPE LENGTH

10m, 30m, 50m

## GLASS FIBER MESH BORAMAX 150

Fiberglass mesh is a cheap material that does not burn and is characterized by both low weight and high strength. These facilities have to be used in a form of plaster facades, as well as internal walls and ceiling surfaces. Designed like a material reinforcements in jointless insulation systems for external walls (ETICS). Mesh has an aprobat ITB. Boramax 150 is the best choice for thermal insulation. High quality of the product is based on many tests. Long durability and reliable, guarantee is use only european technology.

#### PRODUCT HAS A TECHNICAL APROBATE:

ITB: AT-15-6377/2015 and National Declaration nr: 02/2016 fro 04.07.2016



#### SIZE

50m x 1m

#### SURFACE MASS

4,5 x 4,00 mm ± 0,5

#### MESH DIMENSIONS IN LIGHT

150g/m<sup>2</sup> - 5% / + 10%

#### ON THE PALLET

30 rolls = 1500 m<sup>2</sup>

## ICE KILLER BORAMAX

### APPLICATION:

The product for a quick, long-lasting, surface safety reduction of ice and frozen snow from every kind of surface e.g. pavements, parkings, streets, traffic drivers. The product is recommended as an effective preparation for eliminating frozen surfaces from roofs and for melting frozen blocks in pipes.

### PRODUCT DESCRIPTION:

Ice killer BORAMAX is an effective product, it activates its power in a temperature of limit -40°C. The product does not contain salt or the other dangerous, active substances, environmentally friendly. The product is fully biodegraded and a water soluble product. It does not leave a white coating on a substrate and also on shoes. The product does not cause any blocks in a sewage system, eliminates blocks of snowing mud and

does not damage a natural stone and concrete, granite or asphalt. ICE KILLER is a safety product for all type of concrete prefabricates, recommended for application on stairs, pavements, streets, roofs, terraces, it does not damage a car bodies and does not cause any metal corrosions. It is an alternative product and it can be used in a liquid version, the product is soluble in water 20- 100g/ 1l of water. A ready made liquid can be put with a watering can or a sprinkler.

### CAPACITY:

1 kg of the product for 45m<sup>2</sup> , it can be used 20g/m<sup>2</sup> do 80g/m<sup>2</sup>



### TYPE OF PACKAGE

bucket

### PACKAGE CAPACITY

5kg, 10kg

## POLYURETHANE FOAM GUN BORAMAX



A professional polyurethane foam gun. Due to its significant influence on an application process of foams the product is recommended for application of BORAMAX foams. The quality of the gun has an influence on the capacity and effectiveness of foam application and the other parameters.



## SEALANT SQUEEZERS BORAMAX

Handy, light and easy to use, a professional squeezer for a sealant application. Its exceptionally permanent ergonomic construction allows for an application of thick, insulation mass.



**FIRE CLAY MORTAR MINES****READY MADE FIRE CLAY MORTAR MINES**

**APPLICATION:** Ideal for building and coverings of fireplaces, tiled stoves, hearths, barbecues. It is a perfect product for current renovations, repairs, completing fire bricks and the other materials.

**THE PRODUCT HAS A PERFECT BINDING AND FIREPROOF PROPERTIES**

- adhesion properties 25-30%
- high level of fireproof up to 1730°C
- mechanical resistance after drying
- ready for usage
- environmentally friendly (made of the mineral, raw materials)

**CARTON AMOUNT**

12pc, 5pc., 1pc

**PACKAGE CAPACITY**

2kg, 5kg, 10kg

**PAINT AND WINDOW FOILS**

**PROFESSIONAL – VERY STRONG AND THICK FOILS**

- WINDOW TRANSPARENT, COLOURLESS – 2 KINDS

- PAINT GREY – 5 KINDS

**ALL KINDS OF FOILS OF HIGH LEVEL OF QUALITY AND ENDURANCE**

**APPLICATION:**

- for protection of surfaces and things against dirt
- for protection of surfaces and things against moistness
- for protection of windows against dirt
- for insulating window holes.

**SIZE:**

- window foil 4m x 5m and 3m x 4m
- paint foil 4m x 5m

**SIZE**

4m x 5m i 3m x 4m

**COLOUR**

grey, colourless

**TAPES Q and V BORAMAX****CORNER TAPES Q and V BORAMAX**

**APPLICATION:**

BORAMAX tapes TYP-Q are used for connections of gypsum cartonboards placed on smooth surfaces such as ceiling and wall as a replacement of net, paper tape, paper tape with an alluminum insert, for finishing inside corners. The tape which should be used in an outside corner is a corner tape TYP-V. The universal tape is designed even for an inside corner too. The product is perfect for masking cracks placed on ceilings and walls, and for repairine of surfaces when a net or a paper get destroyed. The tape due to no water reaction can be applicated in places exposed to moisture effects in which a paper tape can be damaged (e.g. baths and showers).

**PRODUCT DESCRIPTION:**

- extremely permanent, does not crack
- perfectly masking cracks on boards

- easy and comfortable for using
- a unique structure of stiff and smooth surfaces
- ensures straight lines of outside corners
- more strong than usual paper tape, it can be covered with an usual paint or spatula.

**SIZE**

50mm x 12m, 50mm x 25m



THERE IS A POSSIBILITY TO CONNECT THE EXPOSITIONS

205 cm

50 cm

71 cm



205 cm

50 cm

48cm









**THE FUNGI RESISTANT PRODUCTS**  
**PRODUCTS FOR DAMP PROOF**  
**THE WATERPROOF SEALANTS**  
**THE PRIMING PRODUCTS**  
**MOUNTING FOAMS**  
**MOSAIC PLASTER**  
**FINISHING COATS**  
**PLASTICIZERS**  
**ADHESIVES**  
**SEALANTS**  
**SILICONES**  
**ACRYLICS**  
**TAPES**



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