DRIZORO® Construction Products

PRIMER 900

PRIMER FOR POLYSULPHIDE-BASED JOINT SEALANTS

DESCRIPTION

PRIMER 900 is a colourless, solvent-based, liquid primer composed of polyurethane resins, which has been specially designed for use as primer in order to ensure and enhance a perfect adhesion between the substrate and the polysulphide-based sealant ***MAXFLEX®*** ***900*** (Technical Bulletins Nº.: 25)

APPLICATION FIELDS

- Primer for polysulphide-based joint sealants subjected to both important stresses and movements or cyclical conditions.
- Treatment for porous surfaces, such as concrete, bricks, etc., of joints to reduce surface porosity and avoid pinholing and bubbling in polysulphide-based joint sealant systems

ADVANTAGES

- Excellent adhesion to concrete and metal surfaces.
- Good coverage.
- High performance: works to tensile or shear straight, or both.
- Very easy to apply.

APPLICATION INSTRUCTIONS

Surface preparation
Interior surfaces for the joints to be primed must be structurally sound and clean, free of dust, coatings, efflorescences, oil, grease, gypsum or any foreign material that could affect to adhesion of primer. If necessary, it is recommended to clean the joint surfaces with a non-greasy solvent in addition to the cleaning with traditional mechanical methods: grinding, sandblasting, or mechanical abrading. Substrate should be provided with a slight roughness and dry.
To prevent staining the edges of the joints and provide a better finish, it is advisable to place masking tape on either sides of the joint before applying the primer.

Application
PRIMER 900 is supplied ready to use. Previous to application, stir the content of the packaging using a dry and clean tool in order to get a homogeneous product.

Primer application must be done prior to placing the ***MAXCEL®*** backing rod (Technical Bulletin 48) due to the solvent contained in ***PRIMER 900*** could damage it.

Apply a first coat of ***PRIMER 900*** on the surface of the joint edges by brush or roller, being especially careful to apply uniformly a small thickness. Avoid excessive film thickness and heavy application or puddling. Primer application should be protected from dust, humidity and dirt for as long as the drying lasts. If the substrate were excessively absorbent, a second priming coat can be applied once the first one has dried.
Apply the polysulphide-based sealant after primer has lost the solvent but is still tacky, i.e. from 30 to 90 minutes. The sealant application time will vary depending on temperature and humidity. After this time or if it is noticed that primer is dry, a new coat of primer must be applied.

Application conditions
Because of the sensitivity of ***PRIMER 900*** to atmospheric humidity, it is very important to close the container well after each use. It is advisable to pour the necessary amount for the job into another container and to dispose of any leftovers when finished. The apparition of sediments or a murky aspect in the liquid is the result of the hydrolysis of the active

principles of the ***PRIMER 900***, in which case it is not advisable to use it.
In order to get a suitable performance, the minimum substrate temperature is 5 °C and the relative humidity for the air is less than 85 %. Surface and air temperature must be at least 3 ºC higher than dew point during the application and curing process. For low temperatures and/ or high humidity levels, dry and hot air, i.e. air form an electrical mean, must be used to get a suitable application conditions.

Curing
Applications carried out at lower temperatures, with high humidity or with poor ventilation will require longer drying times.

Cleaning
Tools and equipments can be cleaned with ***MAXSOLVENT***® immediately after use. Once the product hardens, it can only be removed by mechanical methods.

CONSUMPTION

The estimate consumption of ***PRIMER 900*** is about 0,45 l/m^2, depending on the dimension of the joint and it can be calculated with the following formula:

Consumption (ml of primer/linear meter of joint) = 0,45 2 * Depth of the joint (mm)

For a 10x10 mm joint, the estimate consumption is about 9 ml of primer per linear meter of joint. These figures may vary depending on the roughness, surface conditions and application method. A preliminary test on-site will determine the coverage exactly.

IMPORTANT INDICATIONS

- Moisture content of the surface must not exceed 5%.
- Do not apply with temperatures below to 5 ºC.
- Do not add solvents, aggregates, admixtures or any other compounds to ***PRIMER 900***.
- Avoid water condensation, damp or water contact after application of primer.
- Before applying ***PRIMER 900*** on new concrete, observe a curing time of at least 28 days.
- For further information and other uses not specified in this Technical Bulletin consult our Technical Department.

PACKAGING

PRIMER 900 is supplied in 1 litre cans.

STORAGE

Twelve months in its original unopened containers in a dry and covered place, with temperatures between 5 °C and 30 °C. Store in a ventilated area and protect against direct sunlight and frost.

SAFETY AND HEALTH

Contains toluene and polyisocyanate. When applying ***PRIMER 900***, do not work without the protection of rubber gloves and safety goggles. Do not inhale vapors from heating and combustions process. It is a flammable product. Avoid smoking and working with unprotected naked flames during the application of this primer. If the product comes in contact with the eyes, rinse immediately with clean water without rubbing and seek medical assistance. In case of skin contact, wash with abundant water and soap. If ingested, seek immediate medical assistance. Do not induce vomiting.

Observe the usual precautions necessary for the use and applications of this type of products. Use in ventilated areas. Keep out of the reach of children. Keep away from foodstuffs and wash hands after handling or application. Take out immediately stained or splashed clothes

For further information, Safety Data Sheet for ***PRIMER 900*** is available by request.

Disposal of the product and its empty packaging must be made by the final user and according to official regulations.

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TECHNICAL DATA

Characteristics of the product	
Appearance	Slightly yellowish liquid
Base	Solvent-based polyurethane resin
Density (g/cm^3)	Approx. 1,0
Brookfield viscosity 1-20, 23°C (mPa·s)	90 - 100
Fash point Perkins-Martends (°C)	25
Conditions for application and curing	
Temperature for application and curing (°C)	5 – 40
Sealant application time (minutes)	30 – 90
Consumption	
Consumption* (l/m^2)	0,45

(*)These figures may vary depending on the roughness and the surface conditions. A preliminary test on-site will determine the coverage exactly.

GUARANTEE

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