



MAXURETHANE® CEM -SF GLOSS

POLYURETHANE-CEMENT COATING FOR SEALING WITH A GLOSSY FINISH OF THE MAXURETHANE® CEM SYSTEM

DESCRIPTION

MAXURETHANE® CEM -SF GLOSS is a three-component polyurethane-cement based coating, solvent-free, suitable to be used as a sealing layer to confer a glossy finish on coatings of the **MAXURETHANE® CEM** system.

APPLICATION FIELDS

Sealing layer and glossy finish of **MAXURETHANE® CEM -F, -L, -V** and **-C** coatings on concrete substrates in chemical, food industry, etc.

ADVANTAGES

- Provides a glossy, homogeneous finish on polyurethane cement coatings, both smooth and anti-slip finish.
- Can be combined with anti-slip finishes of the **MAXURETHANE® CEM** system.
- High chemical resistance to acids, bases, gasoline, etc.
- Very good resistance to abrasion and wear.
- Non-flammable, free of organic solvents.

APPLICATION INSTRUCTIONS

Surface preparation

MAXURETHANE® CEM -SF GLOSS is formulated to be applied over coatings of **MAXURETHANE® CEM** range. Surface must be without parts badly adhered, cement laitance and as uniform as possible. It must be clean and free of paints, efflorescence, loose particles, grease, oils, curing agents, form release agents, dust, gypsum plasters, organic growth or any other contaminant that could affect to the adhesion.

In the case of applying on surfaces previously saturated with aggregate to confer a non-slip finish, the surface must be swept and vacuumed

to remove all the aggregate not adhered to the surface.

Mixing

MAXURETHANE® CEM -SF GLOSS is supplied as a three-component pre-weighed set. Pour the component A resin into a clean container and add the component B hardener. Mix the two components manually. To ensure the correct reaction of both components, make sure to pour the entirety of component B over component A. The mixture can be done manually or preferably with a drill at low revolutions (300-400 rpm maximum), until a homogeneous product in colour and appearance is obtained. Add the pigment in the appropriate dosage and finally add the C component and mix mechanically for another 2 to 3 minutes. Avoid excessive mixing time that heats the mixture and/or violent shaking that introduces air during mixing. Check the technical data table for the "pot life" or time it takes for the product to harden inside the container (10 min. at 20°C).

Application

MAXURETHANE® CEM -SF GLOSS is applied with a short pile roller or enamel roller on the surface to be coated with an estimated consumption of 80-100 g/m². Higher consumption can cause a matting effect on the surface. During application, special attention must be paid to the encounters with walls, singular points and boundaries of the areas of application.

Application conditions

Avoid applications if contact with water, moisture, condensation, dew, etc., is expected during the first 24 hours. The optimal working temperature range is 10°C to 30°C. Do not apply with support and/or ambient temperatures below 5°C or if lower temperatures are expected within 24 hours of application. Do not apply on icy or frosty surfaces. The temperature of the support and environment shall be at least 3°C higher than that of the dew point.

Do not apply when the relative humidity is above 85 %. Measure relative humidity and dew point in applications close to marine environment. If the temperature is lower or the relative humidity is higher

than the values indicated, the appropriate conditions must be created by means of hot air and its renewal.

Applications above 30°C can have problems with over-reactivity and heat release, as well as greatly reduced mixing life.

At temperatures above 30°C, avoid applying with direct sun exposure.

Curing

Allow a minimum cure of 24 hours before opening to pedestrian traffic and 72 hours for its total putting into service, under conditions of 20°C and 50 % RH. Lower temperatures and/or high R.H. values will extend the curing time and.

Cleaning

All tools and work tools should be cleaned with **MAXSOLVENT®** immediately after use. Once polymerized, it can only be removed by mechanical means.

CONSUMPTION

The estimated consumption of **MAXURETHANE® CEM -SF GLOSS** is 80-100 g/m² per coat.

Consumption may vary depending on porosity, texture, substrate conditions and application method. A preliminary test on-site will determine the total consumption exactly.

IMPORTANT INDICATIONS

- An excess of the recommended consumption may cause the desired glossy finish effect not to be achieved, obtaining a surface with a satin finish.
- Do not apply on substrates subjected to rising humidity or indirect hydrostatic pressure. Surface moisture content should not exceed 8 %. Allow enough time to dry the substrate after rain, dew, condensation or other inclement water, and after cleaning of substrate.
- Do not exceed the consumption recommended per coat.
- Respect the curing times of the coatings of the **MAXURETHANE® CEM** system before

the application of **MAXURETHANE® CEM -SF GLOSS**.

- Do not add water, solvent or other compounds.
- For other uses not specified in this Technical Bulletin or further information, consult our Technical Department.

PACKAGING

MAXURETHANE® CEM -SF GLOSS is supplied in pre-weight three-component set of 3 kg. (A: 0,96 kg; B: 0,87 kg; C: 0,84 kg, D: 0,33). Available in grey, cream, red and green. Other colours available upon special request.

STORAGE

Twelve months in its unopened original packaging. Store in a cool, dry and covered place, protected from moisture, frost and direct sunlight, with temperatures from 5°C to 35°C.

Prolonged storage or temperatures below 5°C may lead the crystallisation of product components. Should this happen, it must be heated slowly at moderate temperature while it is regularly stirred until achieving its homogeneous and original lump-free appearance.

SAFETY AND HEALTH

MAXURETHANE® CEM -SF GLOSS is not a toxic product but is an abrasive compound. Avoid direct contact with skin and eyes, and breathing dust. Use rubber gloves and safety goggles when mixing and applying the product. In case of skin contact, wash affected area with soap and water. In case of eye contact, rinse immediately thoroughly with clean water but do not rub. If the irritation persists, seek medical assistance.

Consult the Material Safety Data Sheet for **MAXURETHANE® CEM -SF GLOSS**.

Disposal of the product and its packaging should be carried out according to the current official regulations and it is the responsibility of the final user of the product.

MAXURETHANE® CEM -SF GLOSS



TECHNICAL DATA

Product characteristics		
General appearance and colour of Component A	Milky liquid	
General appearance and colour of Component B	Brown liquid	
General appearance and colour of Component C	White powder	
Density Component A, (g/cm ³)	0,94 ±0,1	
Density Component B, (g/cm ³)	1,18 ±0,1	
Density Component C, (g/cm ³)	1,25 ±0,1	
Mixing ratio A:B:C:D, (by weight)	32:29:28:11	
Density fresh product A+B+C+D, (g/cm ³)	1,21 ±0,1	
Application and curing conditions		
Temperature / Relative humidity for application, (°C / %)	Ambient and substrate:	
	10-30 / 85	
Pot life at 20°C, (min)	10	
Initial and final setting time, (h)	1-2 / 8-9	
Curing time at 20°C and 50 % R.H., (h)		
	- Pedestrian traffic	24
	- Light-moderate road traffic	48
	- Heavy road traffic	72
Cured product characteristics		
Adhesion on concrete, 28 days (MPa)	> 1,5	
Consumption*		
Consumption per coat, (kg/m ²)	0,08 – 0,10	

* Consumption may vary depending on porosity, texture, substrate conditions and application method. Perform a preliminary test on-site to determine the consumption exactly.

GUARANTEE

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. **DRIZORO®**, **S.A.U.** reserves the right to introduce changes without prior notice. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorised by us. We shall not accept responsibility exceeding the value of the purchased product. The data shown on consumptions, measurement and yields are for guidance only and based on our experience. These data are subject to variation due to the specific atmospheric and jobsite conditions so reasonable variations from the data may be experienced. In order to know the real data, a test on the jobsite must be done, and it will be carried out under the client responsibility. We shall not accept responsibility exceeding the value of the purchased product. For any other doubt, consult our Technical Department. This version of bulletin replaces the previous one.



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