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Cod. 7050

PAVIFER-330

100% solid, multipurpose epoxy resin for concrete substrates, cement coatings and mortars.

100% solid epoxy resin, versatile. As a high-penetration primer layer, dry mortar, base coat, crack putty, half-rounds and adhesion layer on concrete, mortar, stone, cement or fibre cement renders.

- For medium or high absorption substrates.
- Interlayer: multilayer system.
- Regulatory layer of supports.
- Dry mortar from 1 to 20 cm.
- Creation of half-rounds by thixotroping the resin.
- As a fixative primer layer for subsequent finishes.
- As a surface fixer.
- Binder for leveling mortars and coating mortars.
- As a fixative primer layer for subsequent finishes.



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PRODUCT DESCRIPTION

PAVIFER-330 is a 100% solids, multipurpose epoxy resin for repair and patching, thixotropic, solvent-free, three-component, based on epoxy resins and selected quartz sand, designed for use at temperatures between +10° C and +30° C.

It complies with the requirements of class R4 of the UNE-EN 1504-3.

RECOMMENDED USES

PAVIFER-330 is a coating developed for:

As a repair and bonding mortar for:

- Concrete elements
- Natural Stone
- Ceramic pieces, fibre cement
- Mortars, bricks and masonry works
- Steel, Iron & Aluminum
- Crystal

As a repair mortar:

- Filling of hollows and coqueras
- For vertical and ceiling use
- As a layer resistant to impact and heavy traffic.
- Joint filling and sealing:
- Regeneration and reprofiling of joint lips.
- Suitable for concrete repair work
- Repair of chipping and deterioration of concrete in buildings, bridges, infrastructures and superstructures.
- Suitable for structural reinforcement work of concrete.
- Increasing the load-bearing capacity of concrete structures through the addition of mortar.
- Suitable for passivation preservation or restoration
- Increasing the coating with additional mortar and replacing contaminated or carbonated concrete.

FEATURES & BENEFITS

The main features and benefits of the **PAVIFER-330** are as follows:

- Good adhesion on most building materials
- Good abrasion resistance.
- Good chemical resistance.
- Thixotropic, it does not sag in applications on vertical walls or ceilings.
- Hardens without shrinkage
- The components are of different colors, thus facilitating mixing control.
- No primer needed
- High initial and final mechanical strengths.
- Good abrasion resistance.
- Good chemical resistance.

PRESENTATION

The **PAVIFER-330** primer is available in metal containers of 10 Kg.

Component A (Base):	7 Kg.
Component B (Catalyst):	3 Kg

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STORAGE CONDITIONS

12 months from the date of manufacture, in their original containers that are well closed and not damaged. Store in a dry place at temperatures between +5° C and +30°

TECHNICAL DATA

Chemical Basis	Epoxy
Aspect:	Satin
Color:	Colorless-Transparent
Solid Volumes:	100 %
Yield:	5 - 8 m ² / kilo
Specific Gravity:	1,300 +/- 0,020 Kilos / Litro
Dry to the touch:	10 hours at 20° C and 60% relative humidity
Commissioning:	48 hours people 72 hours light vehicles 7 days full use
Flash Point:	22° C
COV's:	Complies with Directive 2004/42/EC (RD 22/2006) Annex I subcategory j): 304.8 g/l (500 g/l maximum as of 01.01.2010).

PRODUCT PREPARATION

- Mix the two components using a low-speed stirrer.
- If the application is made at high temperatures, the life of the mixture can be significantly reduced.
- Drying and hardening time will depend on the ambient temperature and humidity during application.
- If a rough finish with anti-slip properties is desired, sprinkle the first layer with fine silica sand.
- For the treatment of non-concrete pavements, please consult our Technical Department
- Preserve the container from frost and direct sun exposure before mixing, shake component A in its container and then add component B mixing for 2 to 3 minutes until the resulting product is completely homogeneous.
- To ensure correct mixing, pour into an empty container and continue kneading until homogenized. Avoid overmixing to minimize the amount of occluded air.

CONDITIONS OF APPLICATION

Catalyst:	CosmoEpoX-330 Catalyst
Mixing Ratio:	1,5 to 1 in volume
Mix Life:	6 hours at 20° C
Method:	Airless brush, roller or gun
Dilution:	Epoxy disolvent
Thickness:	Wet: 150 microns Dry: 150 microns
Refinish Interval:	Minimum: 24 hours at 20° C Maximum: 15 days at 20° C
Conditions:	Apply at temperatures above +10° C and relative humidity below 80%. The temperature of the paint and surface must be above this limit.

APPLICATION AND CONSUMPTION

- Roller application: approximate consumption of 200 gr/m²
- Applied to rubber dreadlocks: approximate consumption of 500 gr/m². If the application requires silica saturation, the estimated aggregate consumption will be approximately 1 kg.
- Applied to base layer mixture of 1 to 1 primer and aggregate of thickness 04-09 mm applied to flat trowel, leaving an endowment of 1.5 kg / m² proportion of 750 gr primer and 750 gr aggregate. For multilayer systems or as a bridge for joining mortars, terrazzo systems, etc.: fresh saturation of 3-3.5 kg of silica thickness 04-09 mm.
- **PAVIFER-330** is used as a filler for fissure and crack repairs with an added mixture of thixotropant.
- **PAVIFER-330** used as a resin for half-rounds.
- **PAVIFER-330** semi pigmentation in the base layers for quartz color systems with a percentage of 3 to 5% pigment paste.

Consumption is approximate and will depend on the condition of the substrate. For other application systems, please consult the Technical Department.

APPLICATION DETAILS

Quality of support	The concrete substrate must be compact and have minimum compressive strengths of 25 N/mm ² and tensile strength of 1.5 N/mm ² . The substrate must be clean, dry and free of all types of contaminants, such as oils, greases, coatings and surface treatments, etc. When in doubt, apply a test area.
Preparing the Stand	Concrete substrates must be prepared by mechanical means (sanding, shot blasting, or scarifying) in order to remove surface grout and obtain an open-pore, textured surface. The weak parts of the concrete must be eliminated and all possible defects in the substrate must be discovered. Repairs to the support, filling of cavities and levelling of the support will be carried out with appropriate products. The substrate must be primed or leveled to obtain a compact surface. Large stains should be removed by sanding. All dirt as well as loose or poorly adhered parts should be eliminadas antes de la aplicación, preferiblemente por barrido o por aspirado.
Substrate Temperature	Minimum + 10 °C / Maximum + 30 °C
Ambient Temperature	Minimum + 10 °C / Maximum + 30 °C
Substrate humidity	≤ 6% by weight Measured with method, CM gauge or kiln drying method. There should be no rising damp according to the ASTM standard (polyethylene sheet).
Relative humidity	Maximum 75% r.h. Proper ventilation should be ensured to remove excess moisture during curing.
Dew point	¡Watch out for condensation! The substrate and ambient temperature should be at least 3°C above the Dew Point during application.

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CURING DETAILS

Ready-to-Use Applied Product	From 2 min to 24 hours. Times are approximate and may be affected by environmental conditions, especially temperature and relative humidity.
Note	All technical data given in this Product Data sheet are based on laboratory tests. Actual measurements of this data may vary due to circumstances beyond our control.
Local Restrictions	Please note that as a result of specific local regulations the operation of this product may vary from country to country. Refer to the Local Data Sheet for the exact description of the application.
Health & Safety Instructions	For any information regarding safety issues in the use, handling, storage and disposal of chemical residues, users should refer to the most recent version of the Product Safety Data Sheet, which contains physical, ecological, toxicological and other related data related to the use of chemical residues. safety.

LEGAL NOTICES

This information and, in particular, the recommendations regarding the application and end use of the product, are given in good faith, based on the current knowledge and experience of POLIUREA SISTEMAS of the products when they are correctly stored, handled and applied, in normal situations, within their useful life, in accordance with the recommendations of POLIUREA SISTEMAS. In practice, the possible differences in materials, substrates and actual conditions at the place of application are such that no warranty in terms of merchantability or fitness for particular purposes, nor any obligation whatsoever outside of any legal relationship that may exist, can be inferred from the information herein, nor from any other written advice or advice offered.

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Users should be aware of and use the latest and most up-to-date version of the local Product Data Sheets, copies of which will be sent to anyone upon request, or can also be obtained on the www.poliureasistemas.com