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Cod.7030

## ***PAVIFER-311***

**100% solids, two-component, multi-purpose, pigmentada, solvent-free epoxy resin. Coating for paving and sistemas de vertical coatings.**

- Garages, workshops, cellars
- Industrial buildings
- Warehouses & Factories
- Parking
- Ramps
- Industry in general.



## PRODUCT DESCRIPTION

**PAVIFER-311** is a top-quality interior industrial floor paint based on 100% solid epoxy resins and high-strength pigments.

## RECOMMENDED USES

**PAVIFER-311** is indicated as a protective and decorative finish for interior concrete floors, cement mortars and coloured concrete seals, cementitious base coats, aggregate powdered coats and epoxy mortars. It can be subjected to low to medium mechanical and chemical stresses, for application in:

- Garages, workshops, cellars
- Industrial buildings
- Warehouses & Factories
- Workshops, car parks and ramps
- Industry in general.

## FEATURES & BENEFITS

It eliminates the formation of soil dust, improves its surface hardness, prevents erosion and wear facilitating the adhesion of other coatings, its main characteristics and advantages of **PAVIFER-311** are the following:

- Low viscosity
- Good penetration
- Excellent adhesion
- Solvent-free
- Easy to apply
- Short waiting times
- Multifunctional
- Easy to apply

## FIELDS OF APPLICATION

**PAVIFER-311** can be used as a coating for horizontal and vertical thin-bed parameters. As a self-levelling or multilayer sealing in industrial floors, warehouses, car parks and the food industry. As a cladding on vertical walls such as tunnels or cold rooms.

## PRECAUTIONS

- In cases of humidity above 4%, do not apply the primer (consult with the technical department).
- Add a maximum of 3% epoxy thinner or fluidizer only if necessary, such as on degraded substrates or to increase penetration capacity. DO NOT dilute with other products that may affect the final characteristics of the material.
- If 48 hours have elapsed since the first application, sanding (fine-grit sandpaper) and vacuuming must be carried out before applying any finish or primer.

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## PRESENTATION

The **PAVIFER-311 primer** is available in metal containers of: 10 Kg.

Component A (Base): 7,35 Kg.

Component B (Catalyst): 2,65 Kg.

## STORAGE CONDITIONS

12 months from the date of manufacture, in its well-closed and non-deteriorated containers of origin, in a dry place at temperatures between +5° C and +30°

## TECHNICAL DATA

Chemical Basis	Epoxi
Aspect:	Satin
Color:	Ral card
Solid Volume:	100%
Yield:	3 – 4 m <sup>2</sup> / kilo
Peso específico:	1,600 +/- 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:	135° 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:	Catalyst <b>PAVIFER-311</b>
Mixing Ratio:	1.5 to 1 in volume
Mix Life:	6 hours at 20° C
Method:	Airless brush, roller or gun
Dilución:	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.

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## DETALLES DE APLICACIÓN

Quality of support	The concrete substrate must be compact and have minimum compressive strengths of 25 N/mm <sup>2</sup> and tensile strength of 1.5 N/mm <sup>2</sup> . 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 removed before application, preferably by sweeping or vacuuming.
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.

## CURING DETAILS

Ready-to-Use Applied Product	From 2 min to 24 hours. The 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. Please refer to the local Data Sheet for the exact description of the fields of application.
Health & Safety Instructions	Para cualquier información referida a cuestiones de seguridad en el uso, manejo, almacenamiento y eliminación de residuos de productos químicos, los usuarios deben consultar la versión más reciente de la Hoja de Seguridad del producto, que contiene datos físicos, ecológicos, toxicológicos y demás cuestiones relacionadas con la seguridad.

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## HOW TO USE

The concrete substrate must be dry and clean of dust, oils and greases.

The surface tensile strength should be  $>1.5 \text{ N/mm}^2$  and the moisture content  $< 4\%$ .

The concrete must have an open porous structure for good penetration of the primer. It is recommended to prepare the substrate by means of a milling, diamond or shot blasting system.

## APPLICATION

Roller, rubber trowel, rubber dreadlock or notched trowel for high thicknesses up to 2 mm.

## TOOL CLEANING

The tools used should be cleaned immediately after applying the product. Do not let the product dry on the tools. Waste disposal should be done with universal solvent, fluidizer or xylene.

## 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 SYSTEMS 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 SYSTEMS. 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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