

Full aliphatic polyurethane topcoat, specially formulated that closes all the pores of its granules



Features / Benefits

- Waterproof, Continuous water contact resistance
- No Tyre Marks, No Yellowing
- It forms a waterproof coating on all wet floors
- It forms a watertight coating in swimming pools, bathrooms and all wet floors
- Solvent-less, 100% solids
- Fully aliphatic, no yellowing resulting from UV exposure
- Strong and uniform adhesion over the entire surface
- Very high resistance to mechanical stresses (high tensile strength and abrasion resistance)
- Excellent weather and UV resistance
- Excellent thermal resistance, the product never turns soft
- Max service temperature 80 °C, max shock temperature 200 °C
- Resistance to cold: The film remains elastic even down to -40 °C
- Excellent mechanical properties
- Water vapor transmission
- Outstanding resistance to chemicals
- Outstanding hydrolysis and oxidation resistance
- Absolutely non foaming
- Comfortable application

Description

PoreFILLER® P-1K Fully aliphatic Polyurethane topcoat specially formulated which is resistant to extreme continuous water contact and is 100% waterproof. After stone carpet application, it is a pore filler that closes all the pores of its granules.

PoreFILLER® P-1K After curing is complete, a transparent film layer forms on the stone carpet surface.

PoreFILLER® P-1K which cures with the humidity in the atmosphere. The material is based on the extreme water resistance Pore Filler technology with a modified rheology so as to be applied when thixotropy is required. It does not yellow /color does not change when exposed to sunlight. It is based on pure elastomeric, hydrophobic, aliphatic polyurethane resin, which results in excellent resistance to mechanical, chemical, thermal, UV, continuous water contact and extreme weather conditions.

Do not leave the packaging lid open during the application phase and the open product can be saved for the next application using the packages lid open and close method.

Important Features

- Ready for Use
- Highly Hydrophobic
- High sunlight resistance
- Full Aliphatic
- Inhibits fungal and bacterial growth
- Due to continuous water contact and rainwater, no lime or chlorine water stains occur
- It is a transparent and covers 100% all pores in one application

Appearance after curing > Satin matte appearance after drying and does not show light reflections.

CLEANING > Can be done with washer, dryers and machines with large scrubbing brushes.

Consumption Depend Granule Size (1m²)

0,4 - 0,8 mm	300 gr	2 - 3 mm	650 gr
0,8 - 1,2 mm	400 gr	2 - 4 mm	800 gr
1,5 - 2,5 mm	500 gr	3 - 5 mm	1.000 gr

Packaging Types

4kg

20kg

Pallet Description

4kg	125pcs X 4kg	Total 500kg
20kg	30pcs X 20kg	Total 600kg

Application Areas

- All wet surfaces
- Swimming Pool
- Auto Showroom
- Terraces, Balconies
- Kitchen
- Bathrooms, WC, Showers
- Living Areas
- Indoors / Outdoors

Technical Data

Potlife : ± 30 minutes (20 °C)

Touch Drying Time : ± 7 hours (25 °C)

Drying Time : 24 hours (25 °C)

Walkable After : ± 24 hours

Service Temperature : (-40 °C) - (+80 °C)

QUV Accelerated Weathering Test

(6hr UV, at 70 °C (UVB-Lamps) & 6hr COND at 60 °C) - Passed 4000 hours.

Application Procedure

Stage 1.

- Spread the PoreFiller chemical on the granule surface first with a hard plastic trowel.
- Do the application with a hard rubber glass wiper
- Continuously pull the glass wiper straight and hard.
- Do not leave extra layers on the surface of the granules.

Stage 2.

- Each time you scrape the excess layer on the surface of the granules with the glass wiper, remove the excess layer accumulated in the plastic of the glass wiper from the glass wiper and ensure that your glass wiper is clean before the next scraping process.

Stage 3.

- During the application phase, pay attention to the even layer thickness of the PoreFILLER chemical on the surface and make sure there is no extra layer. **An uneven layer will leave a mark.**

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- Easy to apply with glass wipers.
- Never apply with a brush!

- Application temperature range: (+05 °C) to +40°C)
- Do not apply under rain or snow.
- Relative humidity must be no more than 85%.
- Try to remove the hardened material on the walls of the mixing vessels
- PoreFILLER® P-1K in a cool environment, avoiding exposure to direct sunlight make sure it stays under the shade provided

Spécifications Techniques

PROPERTY	UNITS	METHOD	SPECIFICATION
Viscosity (Brookfield)	cP	at 20 °C	2,000-3,000
Specific weight	gr/cm ³	at 25 °C	0.95-1.05
Solids	%	internal	80-85
Flash Point	°C	closed cup	30
Tack free time, at 77 of (25 °C) & 55% RH	hours	-	8
Recoat time	hours	-	8-24
Service temperature	°C	-	-40 to 80
Max. temperature short time (shock)	°C	-	200
Hardness	Shore D	-	60
Tensile strength at break at 23 °C	Kg/cm ² (N/mm ²)	-	350 (35)
Percent elongation at 23 °C	%	-	> 350
Water vapor transmission	gr/m ² .hr	Water Method	0.8
QUV Accelerated Weathering Test (6hr UV, at 70 °C (UVB-Lamps) & 6hr COND at 60 °C)	-	-	passed (4,000 hours)
Thermal resistance (120 days at 80 °C)	-	-	passed

Chemical (Hydrolysis) Resistance

Potassium Hydroxide, 8%	14 days at 50 °C	unaffected
Sodium Hypochlorite, 5%	14 days	unaffected
Water absorption	-	< 1.4%