

Dencryl™ P13

Acrylic primer for asphalt and bituminous surfaces

PROPERTIES

Dencryl™ P13 an elasticized primer based on polymethyl methacrylate used for wood and asphalt.

ADVANTAGE

- Good impact-resistant and shock-proof
- Very short curing time
- Easy to process
- Good resistance to low temperatures
- Good adhesion on asphalt

APPLICATION

Mix the **Dencryl™ P13** briefly before weighing it out. Add the recommended amount of catalyst and mix thoroughly. Please note: When using a partial amount, measure the correct quantities. Refer to the table on page 2 for guidance.

Mix the **Dencryl™ P13** with the added catalyst for 1-2 minutes, preferably using a powerful mixer equipped with a mixing paddle at a low speed, between 300 – 400 RPM.

It is important to prime with serrated spreader blade 4700-280 B2 to ensure the correct layer thickness. Applying the primer with a paint roller or trowel may pose the risk of not applying it thick enough, which could prevent proper curing.

Ensure sufficient ventilation during application of the primer. In enclosed spaces, mechanical ventilation with at least 7 air changes per hour is mandatory.

SUBSTRATE PREPARATION

The substrate must be sound and sufficiently pressure-resistant (minimum 25 N/mm²), with a minimum adhesive strength of 1,5 N/mm².

The substrate must be dry, solid, and durable, and free from dust, grease, and oil.

All loose and soft particles must be thoroughly removed, e.g., by shot blasting. At least 50% of the aggregate

particles must be exposed through milling or shot blasting. Adhesion will take place on these aggregates. Repair all cracks and damages in the floor before installation. Completely remove all dust and friable material from all surfaces, preferably with broom and/or industrial vacuum cleaner, before applying the product.

APPLICATION CONDITIONS:

Substrate temperature:
Minimum 0°C, maximum +35°C

Ambient temperature:
Minimum 0°C, maximum +35°C

Suitable for use on moist substrates up to 5% residual moisture.
To be tested by carbide measurement.

Relative air humidity:
Maximum 95% R.H.

Dew point: Beware of condensation!

The material and substrate should be at least 3°C higher than the dew point.

ADVICE ON APPLICATION

Wear appropriate personal protective equipment when applying the material. Prior to use, **Dencryl™ P13** must be carefully stirred to achieve a uniform distribution of agents contained in the product.

The key aspect during priming is to prevent the primer from fully penetrating the substrate.

Allow the paraffin to come to the surface. If the primer penetrates the substrate and doesn't cure properly, apply another layer of primer.

Do not prime uneven or dirty surfaces. Protection against rain and water is necessary during application and curing. Incorrect assessment and treatment of cracks can result in recurring crack formation.

Mixed materials should be processed immediately.

EQUIPMENT CLEANING

The equipment can be cleaned immediately after use with **Dencoat™ Tool Cleaner**, ethyl acetate or acetone.

SAFETY ADVICE

Dencryl™ P13 For information and advice on the safe handling, storage and disposal of chemical products, the user should consult the most recent product safety data sheet consult, regarding the physical, ecological, toxicological and other safety-related data.

PACKAGING

Dencryl™ P13
5 kg metal bucket
25 kg metal bucket

STORAGE

Up to 12 months after production date in original, sealed, non-opened and undamaged packaging, stored dry between +10°C and +30°C.

Technical data

Viscosity ¹	180-240 mPa·s
Density ²	0,95- 1,00 g/cm ³
Shore Hardness ³	> D55
Bond strenght	> 1,5 N/mm ² (concrete fracture)
Tensile strenght	> 8 N/mm ²
Elongation at break	> 150 %

1) IKA lo-vi, SP-3, 30 RPM, 20°C

2) ISO 2811-1, + 23°C/50% R.H

3) DIN 53505, 14 days / +23°C / 50% R.H

4) ISO 527/+23°C/50% R.H

Guideline recipe and batch quantities

Number of kilos	2% Catalyst	4% Catalyst	6% Catalyst
1 kg	20 g	40 g	60 g
5 kg	100 g	200 g	300 g
10 kg	200 g	400 g	600 g
20 kg	400 g	800 g	1200 g

Consumption

Floor system	Product	Consumption
Primer	Dencryl P13	~ 0,3 – 0,5 kg/m ²

Catalyst quantity

Temp. [°C]	Catalyst [%]	Processing time [min]	Cure time [min]
0 - 10	6	11	30
10 - 20	4	8	30
20 - 30	2	8	30

	
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22)	
P13 - 001	
EN 13813 SR-AR1-B1,5-IR4	
Synthetic resins for internal uses (Application in accordance with the newest technical information)	
Reaction to fire:	E _{fl}
Release of corrosive substances (Synthetic Resin Screed):	SR
Water permeability:	NPD ²⁾
Wear resistance (Abrasion Resistance):	AR 1 ³⁾
Bond strength:	B 1,5
Impact resistance:	IR 4
Sound insulation:	NPD ²⁾
Sound absorption:	NPD ²⁾
Thermal resistance:	NPD ²⁾
Chemical resistance:	NPD ²⁾

CE-labelling

DIN EN 13 813 "Screed material and floor screeds - Screed material - Properties and requirements" (Jan. 2003) specifies requirements for screed material that is used for floor constructions in interiors. Plastic coatings and sealers are also covered by this standard. Products that conform to the above standard are to be identified with the CE mark.

- 1) Last two digits of the year in which the ce marking was affixed.
- 2) NPD = No performance determined.
- 3) Refers to a smooth surface without broadcasting.

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