

Special primer for the PUMACRYL waste water systems

- improved adhesion on damp concrete substrates
- fast and safe curing
- provides excellent adhesion to subsequent coats

PRODUCT DESCRIPTION

PUMACRYL PRIMER H is a low viscosity, violet-blue, 2-component reactive resin based on methyl methacrylate. After polymerisation, most of the violet-blue colour is disappearing.

AREAS OF APPLICATION

PUMACRYL PRIMER H is specially applied as primer coat on damp concrete substrates.

In general, curing and adhesion tests must be realised prior to general use on site.

SURFACE PREPARATION

There must not be an apparent water film on the surface to be treated. The surface must be sound and free from dust, grease and oil. Laitance and loose particles must be removed completely e.g. by shot blasting. Grease, oil and humidity can be eliminated e.g. by flame blasting.

MIXING

Prior to use, PUMACRYL PRIMER H must be carefully stirred to achieve a uniform distribution of the paraffin contained in the product. PUMACRYL PRIMER H is then thoroughly mixed with the PUMACRYL CATALYST (50% dibenzoyl peroxide).

The amount of catalyst powder to be added depends on the temperature:

Addition to 1 kg PUMACRYL PRIMER H:

Temp.	%	Addition	to 1 kg
30 °C	1	10 g	PUMACRYL CATALYST
20 °C	2	20 g	PUMACRYL CATALYST
10 °C	4	40 g	PUMACRYL CATALYST
0 °C	6	60 g	PUMACRYL CATALYST
-5 °C	6	60 g	PUMACRYL CATALYST +
	0,8	8 g	PUMACRYL ACCELERATOR
-10 °C	6	60 g	PUMACRYL CATALYST +
	1,2	12 g	PUMACRYL ACCELERATOR
-15 °C	6	60 g	PUMACRYL CATALYST +
	1,6	16 g	PUMACRYL ACCELERATOR

Weight/volume conversion of CATALYST:

1 cm³ = 0,64 g

1 g = 1,57 cm³

APPLICATION

After the catalyst has been stirred in, PUMACRYL PRIMER H is poured onto the substrate in stripes and distributed with a short-pile paint roller. On very porous substrates, a second layer may be required. In any case, continue applying primer until saturation occurs to obtain a continuous resin film.

Broadcast fire-dried quartz sand (particle size 0,7–1,2 mm or 0,3–0,7 mm) into the still wet primer (approx. 0,3 kg/m²).

CLEANING

The application equipment must be cleaned immediately after the use. Suitable detergents are ethyl acetate, acetone and methyl methacrylate.

CONSUMPTION

Consumption: approx. 0,3 kg/m².

Please refer also to PUMACRYL specifications.

PACKAGING

10 kg metal, resealable bucket

STORAGE

When stored in a cool and dry place in unopened, undamaged original packaging, shelf life is 6 months.

Ideal storage temperature: 15–20 °C

HEALTH AND SAFETY

Please refer to current Safety Data Sheet on www.vandex.com.

TECHNICAL DATA			
Liquid state			
Density, 25 °C	[g/ml]	1.02	ISO 2811
Viscosity, 25 °C	[mPa*s]	100–130	DIN 53018
Pot life / application time, 20 °C	[Min.]	approx. 15	
Curing time, 20 °C	[Min.]	approx. 60	
Flash point	[°C]	+11,5	ISO 1516
Cured state			
Tensile strength, 20 °C	[N/mm ²]	10.4	ISO 527
Elongation at maximum strength	[%]	2.1	
Elongation at fracture	[%]	2.1	
Modulus of elasticity	[N/mm ²]	720	
Density, 25 °C	[g/cm ³]	1.18	ISO 1183
Please note that an objective comparison with other data is only possible if norms and parameters are identical.			

The information contained herein is based on our long-term experience and the best of our knowledge. We can, however, make no guarantee since for a successful outcome, all circumstances in an individual case must be taken into consideration. Indications of quantities required are only averages which in certain cases might be greater.



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