

Sealer for PUMACRYL waste water coating systems

- H_2SO_4 resistant
- easy to apply
- short curing time
- slightly flexible, good UV resistance
- resistant to chemicals

PRODUCT DESCRIPTION

PUMACRYL STC 319 is a middle viscosity, UV resistant, 2-component reactive resin based on methyl methacrylate. PUMACRYL STC 319 is available colourless (clear) or grey (RAL 7040). After polymerisation, the initial blue-violet colouring of the colourless product is no longer visible.

AREAS OF APPLICATION

PUMACRYL STC 319 is intended to be used as a surface sealer for PUMACRYL MEMBRANE waste water coatings. It enhances the resistance in general and specifically against abrasion and makes cleaning easier.

SURFACE PREPARATION

The PUMACRYL membrane to be sealed must be dry and free from dust, grease and oil. Freshly applied PUMACRYL membranes must be completely cured. Membranes which have been sanded must be cleaned from loose particles and sand.

MIXING

Prior to use, PUMACRYL STC 319 must be carefully stirred to achieve a uniform distribution of the paraffin and possibly contained pigments. Due to the short pot life, mix only small quantities of sealer with PUMACRYL CATALYST (50% dibenzoyl peroxide). The quantity to be mixed depends on the surface size and the site conditions.

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

Addition to 1 kg PUMACRYL STC 319:

Temp.	%	Addition	to 1 kg
30 °C	1.0	10 g	PUMACRYL CATALYST
20 °C	1.5	15 g	PUMACRYL CATALYST
10 °C	3.0	30 g	PUMACRYL CATALYST
0 °C	5.0	50 g	PUMACRYL CATALYST
-5 °C	5.0	50 g	PUMACRYL CATALYST +
	0.8	8 g	PUMACRYL ACCELERATOR
-10 °C	5.0	50 g	PUMACRYL CATALYST +
	1.2	12 g	PUMACRYL ACCELERATOR
-15 °C	5.0	50 g	PUMACRYL CATALYST +
	1.6	16 g	PUMACRYL ACCELERATOR

Weight/volume conversion of VANDEX CATALYST:

$$1 \text{ cm}^3 = 0,64 \text{ g}$$

$$1 \text{ g} = 1,57 \text{ cm}^3$$

APPLICATION

Immediately after the catalyst has been stirred in, the PUMACRYL STC 319 is poured onto the substrate in stripes (do not apply directly from the pail!) and distributed with a short-pile paint roller. Mix only small quantities which can be applied quickly. Do not apply more than 0.4 kg/m² per layer; if a higher layer thickness is required apply in 2 separate working cycles.

CONSUMPTION

0,3–0,5 kg/m², depending on structure of the substrate.

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 actual Safety Data Sheet on www.vandex.com.

TECHNICAL DATA			
Liquid state			
Density, 25 °C	[g/ml]	0.98	DIN 51757
Viscosity, 25 °C	[mPa*s]	160–200	DIN 53214
Pot life / application time, 20 °C	[min.]	approx. 15	
Curing time, 20 °C	[Min.]	approx. 30	
Flash point	[°C]	+11.5	ISO 1516
Cured state			
Colour		clear/colourless or grey (RAL 7040)	
Tensile strength, 20 °C	[N/mm ²]	13.4	ISO 53455
Elongation at fracture	[%]	15.5	
Modulus of elasticity	[N/mm ²]	696	
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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