Polychem Systems

Technical Data Sheet EN

PUR PRIMER C

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Product description

The product is a two–component raw material polyurethane primer for the production of consistent and durable adhesion between concrete and PUREX AM coating or PUREX HB. The product is solvent free. The low viscosity allows deep penetration into concrete srtucture.

Primer for polyurea PUREX AM and hybrid PUREX HB used to increase adhesion to concrete surfaces. PThe product also improves adhesion between two layers of polyurea PUREX AM - new layer and the older one, when the time of two hours between applying the layers was exceeded.

Component name	PUR PRIMER C A	PUR PRIMER C B
State of aggregation	liquid	liquid
Colour	yellow	brown
Viscosity at 25°C [mPas]	600 ± 200	150 ± 50
Density at 25°C [g/cm³]	0,98 ± 0,05	1,15 ± 0,04

Application method recommended

Before using the product, Dew point temperature should be determined. The substrate temperature during the application must be at least 3°C higher than the dew point temperature. After mixing A and B component, the mixture should be mixed for 3 – 4 min with a low-speed mixer. Avoid creating air bubbles. Before applying the surface should be cleaned in order to achieve a clean and smooth coating. The substrate should also be free of any impurities such as oil and grease. Product can be applied using roller, brush or by spraying. Before applying next layer of the primer or other coatings, the user should wait at least 2 – 6 h (depending on the temperature). With a longer period of time than 24 h, The covering has to be applied again to the old surface when planning polyurea / hybrid system spraying. The consumption is 150 – 350 g/m² depending on the surface porosity. When using the product on old, degraded surfaces, thoroughly cleaning the surface and performing an adhesion test is required. In case of adhesion problems the entire substrate should be aligned.

Component A:B ratio - by weight	100 : 100
Component A:B ratio - by volume	100 : 115
Raw materials temperature [°C]	20
Gel time [min]	≈ 40
Tack-free time [h]	≈ 4

Transport and storage

Store in dry, well ventilated room, in tightly closed containers. Protect against moisture access and direct exposure to sunrays. Store away from heat sources, in the container originally packaged in a vertical position.

Component B needs to be protected against moisture and stored in more than 10°C before solidisation occurs. In case solid particles has formed in B component it should heated for 24 h in 40 - 50°C.
The products should be transported in tightly closed containers.

Containers opened before should be tightly closed and stored in position making out-flow impossible.

Recommended storage temperature [°C]	5 - 30
Storage life from manufacture date, if stored in recommended conditions and in original containers:	**6 months**

Application safety

Read carefully Safety Data Sheet of the product before use. Wear standard protective clothing when operating with the product.

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*Notes

Data presented in this information have been obtained during the system foaming in model conditions. The results obtained when foaming in other conditions can be slightly different from published.

Every time the user is obliged to check the product and auxiliary agents usefulness for his intentional use.

The user is obligated to have a valid technical data sheet and safety data sheet of the product, which is provided by the manufacturer during the sale and every time on the customer's request.
Prior to processing the user must carefully read aforementioned documentation and follow the rules of procedure for product use.