EN

Purseal P1000

Construction Chemicals > Solvent-Based Polyurethane > Concrete Sealer

Purseal P1000 is a two-component, Polyurethane-based, solvent-free liquid waterproofing material.

Fields of Application

- For internal insulation of water tanks
- For waterproofing under ceramic tiles

Advantages

- It has crack-bridging properties and provides permanent sealant
- No jointing is required
- Damaged areas can be easily repaired
- As a two-component system, it cures quickly
- Saves time

1 Surface Preparation

The surface must be clean, dry, and free from any dirt that could adversely affect the adhesion of the polyurethane. The maximum moisture content of the application surface should not exceed 4%. New concrete structures should be left to cure for at least 28 days. Any adverse factors on old coatings should be cleaned by mechanical grinding. It is important to address any potential surface irregularities. Loose surface particles and dust from grinding should be thoroughly removed. It is recommended to prime the surface with Merks Epoprime WB 710 before application. The material should be prepared once the surface is ready. Since the product is two-component, components A and B should be mixed in a container according to the mixing ratio specified in the technical information. Attention should be paid to the mixing ratio. If one of the components is added in excess or insufficiently, the product may not exhibit the values given in the technical information.

2 Application

The prepared product should be applied to the surface using a roller or preferably a brush. The second coat should be applied at least 16 hours later. In cold weather, this time may be extended. Each coat should be applied at an average rate of 0.6 kg/m^2. The product should be applied in two coats, with an average consumption of 1.2 kg/m^2.

3 Cleaning

After application, the equipment used should be cleaned with an appropriate solvent.

4 Packaging

Purseal P1000, the product is shipped in sets of 5+ 1 kg.

5 Storage

Purseal P1000, in its original packaging and unopened, has a shelf life of 6 months between +5 and +30 degrees Celsius. Opened containers should be sealed very well to prevent reaction with moisture in the air.In reinforced concrete water tanks, substrate surface preparation should be ensured with cement-based repair mortar and, as an additional safety measure, with Merks Sealmax CB 504, a two-component cement-based product. For tanks made of stainless steel and galvanized sheet, it is necessary to roughen the surface for material adhesion and prepare the surface in the form of primer-sanding-primer. It is extremely important to use Merks Epoprime WB 710, a water-based epoxy primer, for substrate surface preparation in reinforced concrete water tanks, along with cement-based repair mortar and additional safety measures.

6 Health and Safety Measures

Purseal P1000 is a material containing isocyanates. Therefore, gloves, goggles, and a mask must be used while working with it. In case of contact with the skin, wash thoroughly with plenty of water and soap. Avoid direct eye contact with the product, especially due to its reaction with moisture.

7 Note

The data in this technical form are based on our own experience and information. However, they are not binding. Adjustments should be made according to the structure, application purpose, and especially local conditions. Our data are based on engineering principles that must be followed during application. We are responsible for the accuracy of this information within the scope of our sales delivery and service terms and conditions. Accepted engineering principles must always be adhered to.







TECHNICAL DATAS

NO	TEST	RESULT (A)	RESULT (B)	RESULT(A/B)	UNIT	TEST CODE
1	APPEARANCE	BLUE	BROWN	BLUE	-	-
2	VISCOSITY	3800	200	2500	cP (23⁰)	ASTM 2196
3	DENSITY	1,45	1,2	1,4	g/cm³ (23⁰)	ISO 2811
4	SOLIDS	100	100	100	%	ISO 3251
5	MIXING RATIO (BY WEIGHT)	100	20	100:20	w/w	
6	POT TIME			30-40	min	ISO 9514
7	HARDNESS			80-85	Shore A	Shore A