

SUF-FIX CP 1022 COLD POLYUREA

1 DESCRIPTION OF THE PRODUCT

SUF-FIX CP 1022; is a two component, easy and cold applied polyurea system. SUF-FIX CP 1022 is an elastic waterproofing product with high mechanical and chemical resistance. It adheres very well to concrete, metal and mineral surfaces. It dries fast, service time is short. It has crack bridging feature. It does not form air bubbles on properly prepared and primed floors.

2 ADVANTAGES

- Crack bridging up to 2mm.
- Flexible.
- It is suitable for application with a thickness of 2mm in one coat.
- Monolithic structure and creates a joint-free surface.
- Curing fast.
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3 APPLICATION AREAS

- Concrete structures, roofs, balconies, terraces,
- In water tanks,
- In secondary enclosure waterproofing,
- It can be used as a repair kit for hot spray polyurea.

4 SURFACE PREPARATION & APPLICATION PROCEDURE

Surface Preparation: Application surfaces must be dry and clean. Concrete and formwork residues mechanically; oil, grease, fuel and paraffin wastes should be cleaned using chemical solvents. There should be no roughness, pits and cracks on the surfaces to be applied. Such damaged and unstable surfaces should be repaired and corrected using suitable products. If necessary, it should be overhauled with floor grinders or diamond-tipped machines. After these processes, the surface should be cleaned of dust with industrial vacuum tools. The prepared surface should be primed with a suitable primer. It may be necessary to apply 2 coats of primer on very absorbent concrete surfaces. The upper surface retention of the subfloor should meet an average of 1.5 N/mm^2 , and the compressive strength should meet a minimum of 25 N/mm^2 . Min. Care should be taken to ensure that it is above $+5^\circ \text{C}$.

APPLICATION:

SUF-FIX CP 1022 is applied with a roller or a 3mm steel trowel. The application thickness should be at least 1.5 mm. It is important to check that the material is thrown in equal amounts to all sides in the entire applied area and that the thickness is measured at certain intervals to ensure the most ideal application. Care should be taken to protect the applied surfaces (such as water, dew, dust) for at least 24 hours. In areas that will always be exposed to UV, covering it with a single layer of SUF-FIX PUR 2K TC aliphatic based polyurethane topcoat with a consumption of 0.40-0.50 kg/m² gives excellent results.

Consumption of Coating Components:

2,0 - 2,2 kg/m² should be applied.

5 PACKAGING

25,0 kg bucket (SUF-FIX HANDMIX CP 1022 (A))

1,5 kg bucket (SUF-FIX HANDMIX CP 1022 (B))

6 SHELF LIFE & STORAGE CONDITIONS

If the containers of SUF-FIX CP 1022 are unopened and protected from direct sunlight and the risk of freezing, it can be stored at temperatures between +5 °C and 25 °C for 9 months from the date of production.

7 SAFETY

During the application, work clothes, protective gloves, glasses and masks in accordance with the occupational and worker health rules should be used. Due to the irritating effects of the uncured product, the components should not come into contact with the skin and eyes. In case of contact, wash with plenty of water and soap. If swallowed, seek medical advice immediately. For detailed information, ask your dealer for the Safety Data Sheet (MSDS). Keep out of reach of children. Comply with the Safety Data Sheet (SDS) prepared in accordance with the EU directives regarding the product.

8 TECHNICAL FEATURES

Physical Properties

	METHOD	DATAS
Appearance	ASTM D-1259	A Comp: Transparent, Liquid B Comp: Grey, Red, liquid
Viscosity (cp)	ISO EN 255	A Comp: 2500 ±500 B Comp: 20 ±10
Density (gr/cm ³)	EN ISO 2811-1	A+B Mix : 1,40±0,05
Solid by Volume (wt %)	EN ISO 3251	85±1

Mechanical Properties

QUALITY (23 °C, 50 % RH, 7 Days)	VALUE	STANDART & METHODS
Elongation at Break (%)	600	EN ISO 527
Tear Resistance (N/mm ²)	34	EN ISO 34-1 Method B
Tensile Strength (N/mm ²)	5,5	EN ISO 527
Adhesion Resistance (N/mm ²)	>2	EN 1542 / ASTM D 4541
Surface Hardness (Shore A)	>70	EN ISO 868 / ASTM D 2240

Technical Properties After Application And Curing

QUALITY (23 °C, 50 % RH)	VALUE	STANDART & METHODS
Application Thickness (mm)	2	--
Pot life (min)	30	A+B Comp. Mix. 100 gr
Touch Drying (hour)	2-6	at 23 °C – 50% RH
Full Curing (days)	7	at 23 °C – 50% RH

9 DISCLAMIER

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.

