

UNICHEM ROOFCOAT

ACRYLIC COATING

UCA-WP-01-0722

DESCRIPTION

UNICHEM ROOFCOAT is a flexible, elastomeric coating based on acrylic co-polymers. Applied as a liquid it cures to form a durable, protective, waterproof membrane

It is applied by brush or roller to a thick highly durable coating. It can be applied on concrete asbestos, wood, brick/stone, tile and textiles. It is a single component emulsion containing inert pigments and has a brushable consistency.

USES

- ❖ UNICHEM ROOF COAT is primarily used for protection of roofs and designed for the protection of concrete structures against carbonation and chloride ingress.
- ❖ The product is also suitable as a seamless and elastomeric waterproofing coating for under terrazzo or tile floors, shower pans, kitchen, laundry and bathroom floors, timber, asbestos/fiber cement and zinc sheets, asphalt, built-up felt and tile

ADVANTAGES

- Durability: High acrylic polymer content ensures excellent durability.
- Elastomeric: Optimum tensile strength and elongation ensures elastomeric nature.
- Ease of use: Very easy to apply by brush, roller or airless spray and is ready to use.

- Protective: Barrier against salts and atmospheric gases.
- High build: Masking imperfections is substrates.
- Waterproof: Protects concrete from waterborne salts.
- U. V. Stable: Maintains its appearance

TYPICAL PROPERTIES

| PROPERTY | RESULT |
|-----------------------------------|---|
| PHYSICAL APPEARANCE | WHITE / GREY PASTE |
| DENSITY | 1.28 ± 0.2 Kg/ltr |
| FINISH | SMOOTH |
| PACKAGING | 5 , 20 kg |
| COVERAGE* | Apply each coat at a rate of 0.6 to 0.9 kg/m ² . One coat applied at this rate will ideally yield 300 to 400 microns W.F.T *The exact coverage will depend upon the porosity, smoothness of surface, wastage and application method |
| WET FILM THICKNESS (W.F.T) | 0.7 TO 0.9 mm per coat |
| DRY FILM THICKNESS (D.F.T) | 0.3 TO 0.4 mm per coat |
| ELONGATION | 300 % |
| SOLIDS % | 50 - 60 (BY WEIGHT) |
| WATER VAPOUR TRANSMISSION | 43 g/m ² /24 hr |
| WORKING TEMPERATURE | 5 TO 50 °C |

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STANDARDS

UNICHEM ROOFCOAT meets the performance requirements of ASTM D6083 Type I & BS EN 1504-2:2004

INSTRUCTIONS FOR USE

SURFACE PREPARATION

The surface must be clean & free of oil, grease or other foreign matters. Surfaces must be primed by applying UNICHEM ROOFCOAT diluted with water (max. 10% by weight)

APPLICATION

UNICHEM ROOFCOAT can be applied by brush, roller or airless spray. A typical four coat application system applied at the rate of 300 to 400 microns per coat would yield a total thickness of 1.5mm (1500 microns).

In order to achieve this the application should be carried out at the rate of 0.6 to 0.9 kg per m² per coat.

DRYING*

| Temp. | Dry to Touch | Hard Dry |
|-------|--------------|----------|
| 25°C | 8 Hrs | 24 Hrs |
| 35°C | 7 Hrs | 20 Hrs |
| 45°C | 6 Hrs | 18 Hrs |

Allow 24 hours between coats. A final curing time of 48 hours is adequate at normal working temperatures. Low temperatures and high atmospheric humidity will slow down the curing rate and vice versa.

*Exact drying times will vary depending on the humidity, temperature and other factors. The above values must be treated only as a guideline

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Note: Never apply in rain or substrate immersed in water. Do not clean the cured coat with brooms that have bristles.

MIXING AND THINNING

Materials must be carefully mixed and thinned to application consistency with fresh water only. Care should be taken during mixing in order to avoid aeration of the material.

CLEANING

UNICHEM ROOFCOAT can be removed from equipment & tools with water .

STORAGE & SHELF LIFE

UNICHEM ROOFCOAT Shelf life is 12 months in unopened packs. The product should be kept in a cool and well ventilated place, protected from heat and direct sunlight. Containers must be tightly closed.

Stir the contents before use.

SAFETY PRECAUTIONS

Take precautions to prevent material entering the eyes. Wear goggles while applying. Provide adequate ventilation. Wear face masks during application

LIMITATION OF LIABILITY

This information is based on our current level of knowledge. It is given in a good faith but it is not intended to guarantee any particular properties. The users must satisfy themselves that there are no circumstances requiring additional information or precautions or the verification of details given herein.

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