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LAB-ITALY

DIMAPCHEMSF

PROTECTIVE COATING FOR CONCRETE AND STEEL SURFACES

BENEFITS

- Solvent free
- Very Low odor ,taint free
- Easy of application
- Very good chemical resistance
- Good mechanical properties
- Abrasion resistant
- Excellent adhesion to concrete and steel surfaces
- Available in various colors
- Compatible with all substrates
- Corrosion resistant

PRODUCT

DIMAPCHEM SF is a two part, epoxy based, high-build, solvent free, protective coating for concrete and steel surfaces. It confirms to **BS476Part-7:1971Class1**.

USES

DIMAPCHEM SF is used as a have hard wearing, hygienic, chemical resistant and taint free coating, suitable for contact with foodstuffs and potable water after cure. Applicable on floors ,walls and ceilings.

DIMAPCHEM SF provides a tough, hygienic, chemical resistant coating for walls, floors and ducts in dairies, abattoirs, food processing areas etc. It is particularly suitable for lining concrete of water reservoirs since it is taint-free.

DESCRIPTION

DIMAPCHEM SF is a solvent-free, Epoxy resin based system, formulated to allow ease of application to both floors and walls. The cured film is extremely tough, and has a smooth, hard, semi glossy finish with good slip

resistance properties. **DIMAPCHEM SF** has an excellent adhesion to concrete and metal surfaces. It can be used to line drinking water reservoirs and in food processing areas, since after curing, it is taint-free.

APPLICATION

Surface Preparation : Surface should be sound and levelled, Blow-holes and surface defects can be made good with **FAIRSCREED VF** Epoxy Putty to facilitate the application of uniform continuous coatings.

Mixing : **DIMAPCHEM SF** Protective Coating comprises of two components, the **BASE** and the **HARDNER**, which are supplied pre-weighed. The Hardener should be poured into the can containing the **BASE** and drained well. The two components should be thoroughly mixed using a mechanical stirrer e.g. electric drill with paddle attachment, until the material is uniform in color and free from stickiness.

Application : **DIMAPCHEM SF** should be applied by brush, roller to give a continuous film on the prepared surface. The second coat should be applied in similar fashion on the following day.

Coverage Rates : The covering capacity of the coating will vary depending upon the porosity and texture of the surface, but as a general guide $10\text{m}^2/5\text{kg}$ pack for two coat should be allowed. This will give a final coating thickness of 400-450 microns.

Cleaning : Equipment should be cleaned with **DIMAPCHEM TOOLCLEAN** immediately after use.

Commissioning : At ambient temperatures of 30°C or more, **DIMAPCHEM SF** will have hardened sufficiently in one day to allow light traffic, but full abrasion and chemical resistance after 5 days

Curing Time : Full Chemical Resistance : 7 days
at
 30°C .

Tensile Strength : 25MPa

Extensibility : 3.9%

Flexural Strength : 36MPa

Temperature Range : During Application : 5°C to 40°C ,
In Service: -10°C to 60°C

Chemical Resistance : Resistant to long term immersion
in Water, Petrol, Oil, Diluted Acids and Diluted Alkalies for advice on resistance to specific chemicals please

PROPERTIES

Color	: Light Grey, Pale Blue, White (Special shade on request)
Pot Life	: 45-50mins.at30°C.

PACKING&COVERAGE

5 kg, Over typical fair faced concrete, 5 kg.
pack will cover approx.. 8-10m² with the
recommended two coat treatment. This will
give an overall dry film thickness of 400-450
microns.

SPECIFICATION

DIMAPCHEM SF is a two part epoxy based ,solvent free, protective coating for concrete and steel surfaces
having a packing of 5kg and coverage of 8-10m²in accordance with their su ct on of DIMAPCHEM.

Technical Summary For DIMAPCHEM SF	
Chemistry	
<i>Color</i>	White, Grey & (Special colors on order)/CLEAR
<i>gloss level</i>	GLOSS-Semi Gloss
<i>Volume Solids</i>	98% ± 2%
<i>typical thickness</i>	98 Micron dry Equivalent to 100 Microns Wet.
<i>theoretical coverage</i>	8 M2 / U.S Gallon at 500 Microns
<i>practical coverage</i>	Allow Appropriate Loss Factor
<i>Flash Point</i>	27 °C
<i>Specific Gravity</i>	1.42 Kg/l COLORED ± 3%
<i>Thinner to use</i>	NONE
Application Method	

<i>common application fields</i>	General Steel & Concrete
<i>Application methods</i>	Airless/tip: .028"/.030", pressure at tip not less than 250 bar : Brush OR Roller
<i>Number of Coats</i>	ONE COAT
<i>Recommended time interval between coats at 21 °C WITH PRIMER</i>	24 Hours
<i>hardener</i>	
<i>cleaner</i>	SAFECORE Cleaning Thinner
<i>preparation of substrate</i>	Mechanically or abrasive blasting /OR Acid etching / DIMAPCHEM PRIMER PH OR DIMAPCHEM PRIMER SF
<i>Dry Time</i>	1.5 Hour Touch Dry, 3 - 5 Hours Hard Depending on thickness of coat
<i>Time to clean application equipment</i>	Immediately after use.
<i>Packaging</i>	1 Quart, U.S. Gallon & Pail
<i>storage</i>	Between 5C and 45C Degrees
<i>Shelve life storage</i>	12 Month
<i>Shipping weight not including pallets and boxes</i>	us gallon- - us pail