



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 conforming 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

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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 10m²/5kg. pack for two coat should be allowed. This will give a final coating thickness of 400-450microns.

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 consult our Technical Department.

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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 suction 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	

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<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

The information given in this data sheet is based on both the current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept the responsibility for any work carried out with our materials as we have no control over methods of application, site conditions etc. In view of the continuing research and development being undertaken in our laboratories we advise customers in their own interest to ensure that this data sheet has not been superseded by more up-to-date publication. All products are sold subject to our standard conditions of sale which are available on request. Field services, where provided, does not constitute supervisory responsibility. For additional information, please contact our local DIMAPCHEM SARL - DIMAPCHEM representative

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