



ARMOURCOTE 418

High Build Epoxy Coating

DESCRIPTION

A two component high pigmented epoxy coating.

USES

A highly effective coating for steel in aggressive environments affording long term protection against abrasion, weathering and chemical exposure. It is also an economic protective / decorative coating exhibiting extreme toughness.

APPLICATION

Tank linings, Structural steel, Masonry and Concrete surfaces, Furniture, Chemical plants, Oil refineries, food processing installations etc.

FEATURES

- ❖ Ideal as body coat in protective decorative systems.
- ❖ Cures even when substrate temperatures are at 0°C, particularly suited to maintenance work in cool environments.
- ❖ May be applied to damp concrete without loss of adhesion.
- ❖ Fast drying, touch dry within 1 hours. May be used successfully where limited time is available for maintenance.

PERFORMANCE DATA

Weather: Excellent. Early superficial chalking occurs with direct exposure to UV but chalk film is adherent and retards further action. Chalking does not impair the integrity of the coating.

Abrasion: Cured film is very hard and abrasion resistant.

Adhesion: Excellent on correctly prepared surfaces.

Chemicals : Recommended for use with a wide range of acids and alkalies, salts, organic chemicals, solvents etc.

For Specific suitably.

Immersion: Recommended for fresh and salt water immersion.

TECHINCAL DATA

Shelf Life: Indefinite provided the coating is stored in tightly sealed containers below 35°C.

CONT 2

Drying Time: Touch dry within 1 hour at 20°C. May be recoated after overnight drying.

Curing Time : Progressively hardness over several days. Will cure down to temperature will accelerate curing.

Pot Life: The coating remains usable at 20°C up to 2 hours after mixing. Increased temperature decrease the pot life.

SURFACE PREPARATION

Method of surface preparation are dependent upon the substrate and the service conditions which they operate. For steel, round off all welds and sharp edges, remove weld spatter.

Coating should be applied before tarnishing of the surface occurs.

Mixing

Stir the contents of each container separately. Add the total content of the cure container to the total contents of the resin container. Mix thoroughly and allow to stand at least 10 minutes before application.

Thinning

Thin only to improve workability with no more than 10% "ARMOURCOTE 418" Thinner.

Spraying

Conventional air atomising or airless spray equipment is recommended.

Continuous agitation of the coating whilst spraying is advantageous.

Brushing and Rolling

May be brushed or rolled. Do not overwork the coating film Spray application is preferred.

Coverage

2.5 to 4 Sq. mtr /Litre (as per Concrete Condition)

Second Coat

Recoating may take place after the initial coat has been allowed to dry overnight at 20°C.

When computing working coverages, allow for application losses, surface irregularities etc.

CONT 3

No. of Components	: 2
Mixing ratio	: 1 part cure to 4 parts resin by volume
Pot life	: 2 hours 1t 20°C
Apply By	: Brush, Roller or Spray Steel
Apply Over	: Steel, concrete, primed timber etc.
Drying Time	: Touch dry 1 hour at 20°C Recoat after overnight drying.
Curing Time	: Hardens progressively over several days.
Thinner & Cleaner	: "ARMOURCOTE 418" Thinner
Packaging	: 4 and 20 litre.

TECHNICAL SERVICE :

SWC group maintains a technical division with highly qualified technical Personnel to investigate and advise on subjects related to Concrete and the Construction Industry. The Division can advise on the correct use and selection of right products at the right place. SWC undertakes Consultancy Service for diagnosis and rehabilitation of distressed structures. SWC undertakes Contracts on turnkey basis for total Waterproofing System with guarantee.

Note :

This Technical datasheet is to be used as guidance only. Although the basic formulation of the product remains unchanged, production refinements arising from continuing research and evaluation programmes may occasionally result in marginal changes in properties. The recommendation and properties of the product are based on continuous monitoring of the product and are not intended to infringe on other patents.

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