

PRODUCT

#777 COAT General Purpose Concrete Epoxy Coating

DESCRIPTION

#777 COAT is a modified, two-pack, epoxy coating primarily designed to protect Portland Cement Concrete (PCC) from moisture and many corrosive chemicals. The coating provides a glossy, tile-like finish which is tough, easy to clean and hygienical. It will fill rough, uneven areas to provide a smooth finish.

USES

Coating PCC, cinder block, masonry or brick, etc. to provide a waterproof, abrasion and chemically resistant barrier.

It is suitable for coating nuclear power plant cooling systems, water tanks, desalination plants, fuel and oil reservoirs etc.

Corrosion protection of steel.

SPECIFICATION

- Form:	Two packs to be mixed immediately before using
- Colours:	Concrete grey, red, green, tobacco, ochre. Special colours upon request.
- Mixing ratio:	88 parts "A" to 12 parts "B" by weight.
- Density:	1,65 ± 0,05 Kg/dm ³
- Solids content:	100%
- Viscosity:	35- 40 Poises
- Pot life:	50 mins.
- Thin film tack free time:	8 hours
- Touch dry:	14 hours
- Overcoating time:	8 – 24 hours depending on temperature
- Full cure:	7 days
- Shore "D" Hardness:	45
- Abrasion resistance (TABER Cs 17):	55 Mg.
- Number of coats:	1 – 2 over #777 Primer
- Consumption:	300-400 gr/sq.m per coat
- Film thickness:	180-240 micron per coat
- Elongation to break:	5%
- Application Temperature:	Not recommended when ambient and/or surfaces temperature is below +5° C and falling or exceeding 40°C.
- Storage life:	18 months (minimum) if stored, in the original tightly sealed packs.
- Packing:	5 Kg. and 22Kg. units

CHEMICAL RESISTANCE

#777 COAT has good chemical resistance to:

- Fresh, salty and demineralized waters.
- Anti-freeze liquids, oils, greases, gasolines, etc.
- Alkalis.
- Acids at medium concentration.



HOW TO USE

SURFACE PREPARATION

Surfaces must be sound and free from dirt, grease, old paint residues, loose material, rust or other contaminants.

The recommended methods of cleaning are:

- Grit-blasting.
- High pressure water jetting.
- Mechanical brushing.

MIXING

Check uniformity of each component and stir parts "A" and "B" separately.

Mix only the quantity of material that can be used before expiration of pot-life. For standard quantities, pour all of part "B" into can containing part "A". For larger batches check uniformity of each component, stir single part "A" and "B" separately and thoroughly, measure the two components as specified on the packs into a clean container, mix thoroughly using a mechanical low speed mixer and a paint mixing paddle until material attains uniform consistency and colour. Carefully scrape the sides and bottom of the containers while mixing. Thorough mixing will take 3 to 5 minutes.

APPLICATION

#777 COAT may be applied by brush, roller or sprayer.

On a metal or smooth trowelled concrete surface, one Kg. #777 COAT will cover up to 3 sqm area.

To insure good adhesion, the maximum overcoating time should be:

24 hrs. at 23°C

16 hrs. at 32°C and more.

Whenever possible it is advisable to prime the support with #777 PRIMER.

CLEAN UP

Clean tools and equipment with "SOLVENT OMNIA" or toluene, or acetone.

HANDLING AND TOXICITY

"A" and "B" Component For Industrial Use Only!

Skin contact should be avoided by wearing impervious gloves (rubber or disposable polyethylene) and by using suitable goggles for eyes; barrier creams such as Kerodex K7 may also assist in offering additional protection. Any accidentally contaminated skin areas should be cleansed immediately with soap and water and/or a suitable resin removal cream. For eyes, clean with plenty of water and get medical attention immediately. The use of solvents for skin cleansing should be avoided.

NOTE

#777 COAT is also available as #777 COAT S.G. (Summer Grade) offering same properties with adjusted pot-life for use in hot climate.

All information and directions contained in this technical data sheet are given in good faith and are based on the best known practical test.

SINIT, when having no control over transport, storage, handling, use and application of its product, will disclaim all responsibilities for any unsatisfactory results obtained.

All tests have been carried out at 23°C.

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These data supersede all previously published data.

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