Research & Applied Technologies

Suppliers of Waterproofing Systems & Facade Coatings

Permaflex® S201 Topcoat

Technical Data Sheet

DESCRIPTON

A pigmented two-component water-borne epoxy coating based on a modified epoxy resin and polyaminoamide curing agent combination for use on most stable building surfaces.Normally used as a topcoat.

COLOUR / BATCH

Standard colours:- off-white and grey - Colours can be supplied, subject to minimum order quantities. Colours will be near-match only.

Available in 4 and 8 litre batch units. Units A and B are both packed in plastic pails.

BENEFITS

It is ideal for use in situations where solvent release during application is not desirable.It may be used as an easy to clean hygenic wall finish, or as a medium duty floor finish, generally in floor situations.Suitable for potable water applications.

TECHNICAL DATA

Liquid Material	**Unit A**	**Unit B**	**Mixed**
Solid Volume :	96.5%	31.9%	58%
Specific Gravity:	1.96	1.05	1.42
Flash Point:	>100 C	--	--
Shelf Life:	3 years	2 years	
Appearance:	Pigmented	Clear Brown	

Physical Properties:

Wear Resistance Excellent

Chemical Resistance:

Fresh water	excellent
Brine & salt	excellent
Fuels & Greases	excellent
Petrol & Hydrocarbon	excellent
Caustic Soda 10%	very good
Inorganic acids	fair to poor
Organic acids	not recommended

Suitable for potable water application

APPLICATION

Surface Preparation

Concrete, plaster, previously painted surfaces, fibre cement, stone slate and tiles shall be primed with Permaflex® S200 Primer.

Steel: Surface should be prepared and primed with epoxy mastic metal primer.

Glazed tiles: Abrasive grind to 'open' the surface.Prime with Permaflex® S200 Primer.

Mixing

Units A and B for a batch should be thoroughly mixed, adding A to B and drill mixing for 4 - 5 minutes until completely homogenous. The mixture must then be diluted with up to 30% clean water, mixed and allowed to stand 10 minutes before using.

Application may be by brush, roller or spray.

Spreading rate

Walls 8-10 m2/litre/coat depending on surface density.

Floors 5-7 m2/litre

All rates are per litre as supplied. Recommended DFT for a 2 coat system (undiluted) is 120-165um.

Pot life: 1.5-2 hrs

Dry Time: 4-8 hrs

Recoat 24-48 hrs 15° C, 60% RH

Cure Time: 7-10 days for full cure.

{Under normal conditions:- 15 C60% R.H}

Note that low temperatures and/or high humidities will considerable retard dry and cure times. Do not apply in temperatures below 5 C or relative humidity greater than 85%.

Allow adequate ventilation to promote curing.

Thinning/Clean up: Thin with clean tap water, clean up gear by rinsing with water then wiping with Xylol.

HEALTH & SAFETY

Barrier cream must be usedwhen handling S200 to prevent epoxy sensitisation and possible dermatitic effects.

Allow adequate cventilation

Store above 0° C to prevent possible deterioration in unmixed components. Do not smoke while handling the materials.

Transport Classification: Unit A - no restriction

Unit B - no restriction

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