



technical data sheet.



# topcoat.<sup>pro</sup>

## repel infrared and ultraviolet

Protects waterproofing from harmful ultraviolet light and repels infrared from the walls  
Cools room by repelling infrared which contains 65% of the sun's heat

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# topcoat.<sup>pro</sup>

## description.

**topcoat<sup>pro</sup>** is a two component solvent based and non yellowing, non-chalking aliphatic acrylic polyurethane enamel. The specialty of **topcoat<sup>pro</sup>** is having a dry time of only 3.5 hours.

## recommended for.

suitable for flooring as intermediate coat or as topcoat:

- Food and beverage production area
- Hospital, pharmaceutical factory
- Pulp and paper industry
- Workshop
- Electronic engineering and packaging plant
- Garment
- Processing plants, etc.

## basic data.

Colour	Ceramic white
Gloss Level	Gloss
Volume Solid	Approx. 70 ± 2 % by weight
Dry Film Thickness	100 - 125 microns per coat
Theoretical Spreading Rate/Coverage	Approx. 0.12 - 0.15 kg/m <sup>2</sup> for 100 microns
Temperature Resistance	93°C (dry)
SG-Mix	1.18 gr/ml
Flash Point	Base: 53°C Hardener: 48°C
Pack Size	20 kgs unit. Base: 16.3 kgs Hardener: 3.7 kgs
Shelf	At least 12 months when stored cool and dry
Solar Reflectivity Index ISO 9050:2003	SRI 114.48

## instruction for use.

### Surface preparation:

Thorough surface preparation is vital. For the best results, we recommend mechanical preparation techniques. For example, mechanical scarifying, grit-blasting, sand blasting. For flooring works, care must be given to ensure that the substrate does not suffer from rising dampness. If such conditions occur, please consult Reflecto.

### New concrete floors:

Should be at least 28 days old or has a moisture content of less than 5% before proceeding with epoxy application. Laitance or deposits on new concrete floors are best removed by light grit blasting, mechanical grinding. In smaller areas, thorough etching may be considered. After etching the floor, it should be thoroughly washed with clean water and then left to dry.

### Old concrete floors:

Mechanical cleaning methods are strongly recommended on old concrete floors, particularly where heavy contamination by oil and grease has occurred or existing coatings are present. These may have been absorbed several millimeters deep into the concrete. To ensure good adhesion, all contaminants must be removed and the surface cleaned of all dust and loose debris. A thorough detergent wash is also recommended followed by rinsing with clean water and mopping it off to a dry state.

### Mixing:

Add the entire contents of the hardener tin to the base and mix rigorously for 3 mins until mixture is homogeneous by using a slow speed drill ( 200 - 400 rpm) fitted with a suitable mixing paddle.



**Application:**

Apply **topcoat<sup>pro</sup>** by using a low speed electrical stirrer mixer. Firstly, stir the base quickly before mixing, mix one set of **topcoat<sup>pro</sup>** for at least 3 minutes until the mixture is homogeneous. Spread the mixed material onto the substrate by using a paint roller following the application of **topcoat<sup>pro</sup>**. Apply within 30 minutes before the material dries completely.

Brush / Roller: Recommended to use  
 Mixing Ratio, Base : Hardener = 4.5 : 1 by weight  
 Thinner : Recommended to use  
 Cleaner / Cleaning Solvent : Thinner

**additional data.**

**Overcoating Intervals**

Temperature	25°C	32°C
Minimum	5 hours	4 hours
Maximum	-	

**Drying / Curing Time**

Temperature	Touch Dry	Through Dry	Full Cure
25°C	5 hours	1 hours	1 hour
32°C	3.5 hour	20 minutes	4.5 hours

**Pot Life**

Temperature	Pot Life
32°C	35 minutes

**storage and handling.**

Product must be stored in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed. Handle with care, stir well before use.

**safety precautions.**

Keep away from heat, spark and open flames. Avoid vapour on skin and eyes. Keep the container closed and stored in a cool, ventilated area when not in use. Proper ventilation and protective measures must be provided during mixing, application and drying, to keep vapour concentration within safe limits and to protect against toxic hazards. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined and enclosed space, such as tank interior and building.

none of our published instructions and specifications, in writing or otherwise, are binding either in general or with respect to any third party rights, or do they relieve interested parties of their duty to subject the product to an adequate examination of its suitability. in no event will reflecto. be responsible for damages of any nature, whatsoever, resulting from the use of or reliance upon information or the product to which information refers.