PRODUCT DATA SHEET

Rev. 3/04.08

CONDUCOAT 502 SF

ANTI-STATIC EPOXY COATING

(1 x 10^4 to 10^6 ohms)

DESCRIPTION

CONDUCOAT 502 SF is a two-component self-smoothing anti-static epoxy coating. The specially formulated coating will provide specific control of static electricity and Electrostatic Discharge (ESD). The liquid phase materials will flow and smoothen itself before it hardens. The final product is a seamless, hard-wearing and attractive layer that is chemical resistant, impervious and easy to maintain.

RECOMMENDED USES

CONDUCOAT 502 SF is suitable for industrial or commercial floors where an anti-static or conductive surface is required. It is most recommended for interior surfaces of clean rooms, electronic factories, hospital, computer room, printing factories, storage of explosive materials, pharmaceutical factories and other factories and locations dealing with hazardous dust, inflammable gases or liquids.

ADVANTAGES

- No odour - application works can be carried out without complete shut down.
- No fire hazard - can be used in areas where solvent-based coatings are not allowed.
- Superior anti-static properties and not affected by ageing.
- Prevents static electric destruction of sensitive components.
- Smooth and seamless surface - easy to clean.
- Good resistance against most industrial chemicals.
- Environmental friendly - Zero VOC content.

PHYSICAL DATA

Finish	:	Gloss
Colour	:	Refer to colour chart
Volume Solids	:	100%
Typical Surface Resistance	:	10^4 to 10^6 ohms
No. of Components	:	Two
Mixing Ratio	:	4 part of A to 1 part of B by weight
Recommended Thickness	:	1.0 to 1.5 mm
Theoretical Coverage	:	1.3 kg/m² @ 1.0 mm
No. of coats recommended	:	One
Drying Time	:	Touch dry 6 hours Light Traffic 24 hrs
Packing Size	:	5 kg & 20 kg
Pot life	:	20 to 30 minutes

APPLICATION INSTRUCTIONS

SURFACE PREPARATION : The surface to coated shall be thoroughly cleaned and degread to ensure that it is free from oil, grease and other contaminants. Surface shall be vacuum blasted to remove surface laitance and create profile for better adhesion. Fins and protrusions shall be removed by sanding or grinding. New concrete shall be cured for at least 28 days. Concrete slabs must be waterproofed to prevent damages due to rising dampness from below the slab.

PRIMER :**CONDUCOAT 209 WB** Primer can be applied by using roller. Make sure that the required thickness is achieved to ensure good anti-static properties.

MIXING : Stir Part A and Part B thoroughly in their own containers with power mixer, then pour Part B into Part A in the pre-weighed packing and continue to stir. Mix to a uniform consistency before thinning.

THINNING : Thinning is not allowed for solvent free materials.

APPLICATION : CONDUCOAT 502 SF can be applied by trowel or roller. First pour the mixed materials on the primed surface and spread to the calculated coverage using a metal trowel. Let it level itself for about 10 minutes and roll with spiked rollers to break bubbles and assist levelling.

POTLIFE : The potlife of the mixed materials is 20 to 30 minutes. Upon reaching the end of the potlife, the mixed materials will be heated up by the exothermic reaction. Mixed materials shall be used up before the end of the potlife.

CURING : Applied materials can be open to light traffic after 24 hours. Full cure can be achieved after 7 days.

CLEANING : All application tools and equipment shall be cleaned with Cleaner #2 immediately after use.

PLC LABORATORY
PLC Laboratory Sdn Bhd (345458-D)
No.8, Jalan TPP 6/13, Taman Perindustrian Puchong, 47100 Puchong, Selangor Darul Ehsan.
Tel : 603-80604584 Fax : 603-80604676 Email : email@plc.com.my Website : www.plc.com.my
ISO 9001 REGISTERED FIRM (Certificate Number : 601086)