



COPON CERAMI-TECH 88

PRODUCT DESCRIPTION

TWO COMPONENT SOLVENT BASED CERAMIC FILLED EPOXY COATING

COPON CERAMI-TECH 88 has been specially developed for use as a high performance lining for piles, pumps, tanks, pipelines, valves, indeed any equipment where long term abrasion resistance and corrosion protection is required.

COPON CERAMI-TECH 88 comprises a blend of highly specialised epoxy resin formulas, reinforced with a high level of inert ceramic powders and fillers. This unique blend of resins and fillers produces a product with excellent lubricity properties, and excellent performance in immersion conditions.

COPON CERAMI-TECH 88 is the ideal product for the long term protection of tanks, vessels and equipment operating in aggressive immersion environments.

Standard Colour Availability Manufactured in Off White

GENERAL PROPERTIES

Adhesion	Excellent to both grit blasted and manually prepared surfaces.
Abrasion	Good resistance to abrasion and mechanical damage.
Chemical Resistance	Unaffected by fuel oil, chemical products, aviation fuel and sour gas mixtures.
Corrosion Resistance	Excellent on correctly prepared surfaces.
Temperature Resistance	Dry Heat - 120 Wet Heat - 80

PHYSICAL CONSTANTS

Total Solids Content (Average) by Volume	65%
Specific Gravity (Average Mixed)	1.3
V.O.C. (As Supplied)	372gm/litre NOTE: Thinning for spray application will increase the applied V.O.C.
Film Thickness (Typical)	Wet 200-250 microns Dry 125-160 microns Note: The thickness to be applied should be agreed between the specifier and the manufacturer dependent on operational performance requirements.
Theoretical Coverage Rate	5.2m ² per litre at 125 microns dft

SURFACE PREPARATION

METHOD	a) Steel surfaces should ideally be abrasive blast cleaned to minimum standard Sa 2½ BS 7079 Part A1 1989 or equivalent. b) Where grit blasting cannot be carried out the steel surface should be thoroughly mechanically abraded with all oil and grease being removed
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MIXING

Number of Components	Supplied in two parts: Base component and Activator component.
Mixing Ratio (by volume)	3.5 parts Base component. 1 part Activator component
Pot (Usable) Life	4 hours at 20°C
Method of Mixing	Stir the contents of the Base component, continue stirring and gradually add the total contents of the Activator component, continue stirring until a homogeneous mixture is obtained.

APPLICATION

Conditions for Application Do not apply when relative humidity exceeds 90% or when the surface to be coated is less than 3°C above the dew point.

METHOD COPON CERAMI-TECH 88 can be applied by brush, roller, spray or the pipeline pig method.

Typical spray settings are as follows:

Airless Spray Devilbiss airless 32:1 pump ratio

Tip Size 13-15 Thou

Input air pressure 60 psi

Tip pressure approximately 2000 psi (145 bar)

Note When airless spray is being used, excessively high tip spraying pressures should be avoided, the minimum pressure at the pump conducive to good atomisation should be used.

Clean all equipment immediately after use with COPON SA65 THINNERS.

DRYING AND CURE TIMES @ 20°C

Touch Dry	- 1 hour
Hard Dry	- 8 hours
Overcoating	- min 6 hours - max 48 hours
Full Cure	- 7 days

HEALTH & SAFETY

1. In the wet state COPON CERAMI-TECH 88 is highly flammable.
2. Adequate ventilation must be provided during use
3. Undue contact with the skin should be avoided.

NOTE: Full Health & Safety Data is available from E Wood Ltd.

PACKAGING AND STORAGE

Supplied in 4.5 Litre packs.

Use within 12 months of purchase. Store in original sealed containers at temperatures between 5°C and 30°C.

Copon System Recommendations take precedence over individual Copon Product Data Sheets and are available on request.



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