



PROTALL KS-16W

PRODUCT DESCRIPTION

PROTALL KS16W is a multipurpose two component epoxy coating designed for use as a protective coating for steel surfaces, steel tanks and pipework containing hot water, hot aqueous solutions, fresh and salt water.

PROTALL KS16W will withstand continuous immersion at temperature up to 100°C and is an ideal coating for the long term protection of condensate return tanks and water tanks.

GENERAL PROPERTIES

Abrasion	Good resistance to abrasion and mechanical damage.
Corrosion Resistance	Excellent when applied to blast or RUSTON cleaned steel.
Adhesion	Excellent on blast or RUSTON cleaned steel.
Surface Finish	High gloss with low dirt retention properties
Chemical Resistance	Unaffected by aqueous solutions up to 100°C. Good Resistance to chemicals and solvents.
Temperature	Dry heat 120°C Aqueous immersion 100°C
Color	Red Oxide – White – Grey Other colors upon request and availability

SURFACE PREPARATION

Steel Surfaces	PROTALL 517 RUST CONVERTER RUSTON® OR Abrasive blast cleaning to min. Swedish Standard Sa 2.5 or other equivalent international standard. The steel surface must be clean, dry, and free from oil, grease or other contamination. All oils etc. on the surface must be removed with PROTALL SA65 Thinner.
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MIXING RATIO

Number of Components	Supplied in two premeasured parts: Base and Activator
Mixing ratio (By Volume)	4 parts Base : 1 part Activator
Pot (Usable) Life	Approximately 6 hrs 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 homogenous mix is obtained. Allow to stand for 15 minutes before use.

For more Information please contact Technical Support

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APPLICATION

Conditions for application	a) Do not apply when the Relative Humidity exceeds 90% or when the surface to be coated is less than 3°C above the dew point. b) Minimum temperature for application is 7°C.
Method	PROTALL KS16W can be applied by brush, roller, conventional or airless spray. With spray application being the preferred method.
Application Settings:	
Airless Spray	Thin 0-10% with PROTALL SA108 Thinner Tip Size 13-15 Thou orifice Tip pressure approx. 2,000 psi (145 Bar)
Conventional Air Spraying	Thin 0-10% with PROTALL SA108 Thinner Tip Size 2.0 mm Tip pressure approx. 60 psi
Brush & Roller	Thin 5-20% with PROTALL SA108 Thinner Good quality brushes and rollers should be used.
Theoretical Coverage Rate	10 sq. meters per liter at 50 microns (2 mils)
Practical Coverage Rate	12 sq. meters per liter at 50 microns (2 mils)
Film Thickness (Typical)	Wet 100 microns (4 mils) Dry 50 microns (2 mils)

BASIC DATA (AT 20°C)

Drying & Cure Time	Touch Dry 4 hrs Hard Dry 16 hrs Over coating min 16 hrs max 7 days Full Cure 7 days
Flash Points	7°C for Base 13°C for Activator
Lead Content	0.0 % by weight
Average Solid Content	50% by volume
Specific Gravity	1.4 (Average Mixed)
Shelf Life (Cool, dry place)	12 months
Packaging	5 kg – 20 kg units in metal cans

HEALTH & SAFETY

1. In the wet state PROTALL KS16W is highly inflammable
2. Adequate ventilation must be provided during use
3. Undue contact with the skin should be avoided
4. Minimum Ventilation air quantity required for 1 liter of mixed paint
To reach 10% of LEL 60 m³
To reach TLV 906 m³

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part. As application conditions are out of our control we can not guarantee but the quality of the product itself. PROTALL reserves the right to make any changes without prior notice.

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