KANSAI PAINT

PARATHERM 16

Zinc Graphite Primer

PRODUCT NAME :	***PARATHERM 16***
DESCRIPTION :	*An excellent anti corrosive zinc graphite heat resistant primer formulated based on modified silicone resin.*
RECOMMENDED USE :	*Designed to be a heat resistant primer for steel structures subjected to temperatures up to 600°C of industrial environments : petrochemical plants,power stations an offshore structures etc.* *To be overcoated with high resisting aluminium finish.* *Capable of withstanding dry heat up to 600°C.*
PERFORMANCE :	• *Excellent anti-corrosive property* • *Excellent resistance to moisture* • *Excellent resistance to aliphatic solvents* • *Moderate resistance to corrosive chemcals* • *Excellent resistance to weather*
PHYSICAL PROPERTIES *Volume Solids* *Theoretical Coverage* *Type* *Packing Ratio* *Colour Availability* *Flash point* *Recommended Thickness* *Recommended Thinner*	 *53 %* *13.2 m²/litre @ 40 microns DFT* *Two component* *4.35 litres Base : 0.65 litres Zinc powder* *Grey* *38°C* *40 microns DFT* *Thinner No. 2*

PRACTICAL APPLICATION RATES – microns per coat

	Airless Spray	*Conventional Spray*	*Brush*	*Roller*
Dry	*40*	*40*	*40*	*40*
Wet	*75*	*75*	*75*	*75*

AVERAGE DRYING TIME

Ambient Temperature	*Touch Dry*	*Hard Dry*	*Overcoating Interval*		*PotLife*
			Minimum	*Maximum*	
15°C	*15 minutes*	*2 hours**	*32 hours*	*Indefinite*	*32 hours*
25°C	*10 minutes*	*1 hours**	*16 hours*	*Indefinite*	*24 hours*
35°C	*5 minutes*	*1/2 hours**	*8 hours*	*Indefinite*	*16 hours*

**This product will cure only when the temperature is raised to above 200°C for a minimum of 5 hours.*

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Packing	*5 litres*
Shelf Life	*12 months under normal condition*
SURFACE PREPARATION	*Steel* *Remove all wax, oil and grease by solvent cleaning in accordance with the guideline given by SSPC-SP1.* *Abrasive blast clean to Sa2.5 (ISO8501-1:1988) or SSPC-SP10.* *An average surface profile in the range of 50-75 microns is acceptable.* *The surface to be coated must clean and dry and free from all visible traces of surface contaminants.*
APPLICATION DATA *Application methods* *Mixing ratio (by volume)* *Thinner* *Thinner Consumption*	 *Brush/Roller, Conventional Spray and Airless Spray* *4.35 parts Base to 0.65 part Zinc powder* *Thinner No. 2* *Brush/Roller – 0-5%* *Conventional Spray – 5-10%* *Airless Spray – 0-5%*
Airless Spray	*Nozzle Size : 0.48-0.53mm (19-21 thou)* *Fan Angle : 80°* *Operating Pressure : 140-165 kg/cm² (2000-2400 psi)*
Conventional Spray	*Nozzle Size : 1.27mm (50 thou)* *Atomising Pressure : 3.5 kg/cm² (50 psi)* *Fluid Pressure : 0.7 – 1.0 kg/cm² (10-15 psi)*
Brush	*This product is suitable for brush application.*
Roller	*This product is suitable for roller application.*  Application method · 80° spraying tip · Practice proper cleaning
APPLICATION CONDITIONS AND OVERCOATING	*This product should preferably be applied at temperature in excess of 10°C. In conditions of high relative humidity i.e. 80-85%, good ventilation conditions are essential. Substrate temperature should be at least 3°C above the dew point.* *At application temperature below 10°C, drying and curing time will be significantly impaired.* ***Application at temperature below 5°C is not recommended.*** *If it is desired to overcoat outside the times stated on the data sheet, please seek advice from Kansai Coatings Malaysia representative.*
HEALTH AND SAFETY	*Consult Chemical Safety Data Sheet for information on safe handling and application of this product*  Keep seal tight · Secure upright · Wear proper protection · Practice proper disposal

For further information on Product Data, please contact:
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