



AQUA HI-THERM 17 - 05

PRODUCT CHARACTERISTICS

A special purpose, low viscosity, high volume solid high temperature hybrid siloxane epoxy coating exhibiting continuous dry and wet heat resistance up to 250° C. Suitable for application on exposed steel, immersion condition and under-insulation applications.

RECOMMENDATION OF USE

High temperature service, Oil & Gas Upstream/Downstream facilities, Product storage tanks, Heated pipelines, Chimney and exhaust, Heated cargo, Under-insulation Coating

PRODUCT INFORMATION

Colour	Aluminium Silver, Black
Packing Size	16 Lit pack
Non-volatile Content	92 ± 2%
Mixing Ratio	Resin and Hardener (10:1.6) by weight only
Full Cure	7 days at 30° C
Pot Life	30 minutes at 30°C
Touch Dry	3-4 hours
Temperature Resistance	5°C - 200°C (During Application)
Temperature Resistance	-20C - 250°C (After Full Cure)
Chemical Resistance	Alkali
Volume Solid	92%
Recommended DFT	80 - 100 µm per coat
Coating Layers	Please refer to Sea Horse Services for details
Theoretical Coverage	10m ² /litre (at DFT 100µm) *Allow for application losses and surface irregularities
Shelf Life	At least 12 months when stored in sealed containers

PHYSICAL PROPERTIES

No.	Type of Tests	Test Method	Results
1	Resistance to Organic Coatings to the effect of Rapid Deformation	ASTM D2794	(Kilogram-meter) at the impact failure end point - 911g (2Lbs)- More than 65 cm.
2	Radiation Heat Continuous Convection Heat Continuous	250° C 250° C	No effect No effect
3	Pull-Off Strength of Coatings using Portable Adhesion Testers	ASTM D4541	More than 6.0N/mm ² (870psi)
4	Cyclic Salt Fog / UV Exposure of Painted Metal (Alternating Exposure in a Fog/Dry Cabinet and a UV/ Condensation Cabinet)	ASTM D5894	Rust Grade 9G* (% of Surface Rusted-Greater than 0.01% and up to 0.03%)



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APPLICATION DATA

Method	-	Airless spray, Air Spray (Pressure Pot)roller brush
		Airless spray : point tip size - 0.017 - 0.021 inch
Thinner	-	TH002-mix only when pot life need to be increased (45 - 50)
Cleaner		add 3% -5% Xylene
Over-coating interval	-	Can be over-coated when touch dry.
Mixing	-	Mix components thoroughly and allow 5 mins before painting

ENVIRONMENTAL CONDITIONS

Blasting or application should NOT be carried out when:

- Relative humidity is >85%
- Substrate temperature should not be below 4°C.

