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KANSAI's HEAT RESISTANT PAINTS

THERMOTECT Series



Heat resistant paints are widely used on refineries, petrochemical plants, pipeline and power plants.

Kansai Paint provides a "THERMOTECT Series" which covers not only a wide range of temperatures from -185°C to 650°C but also protects from CUI (Corrosion Under Insulation) .

THERMOTECT Series protects your assets from corrosion under severe temperature conditions.



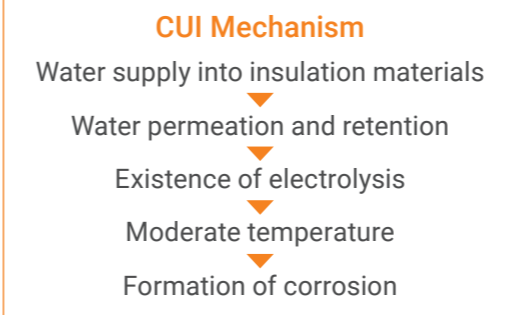
Product Line-up

Product	Description	Maximum Temperature Resistance	Use
Silicone paint			
THERMOTECT WR	A heat resistant paint based on inorganic copolymer for preventing CUI (Corrosion Under Insulation)	650°C	• CUI protection • Cyclic temperature operation
THERMOTECT SC	A single component, heat resisting paint based on a moisture curing silicone resin and aluminium powder. Pre-heating is not required for curing.	540°C	• High temperature up to 540°C
THERMOTECT 300	A heat resisting paint based on modified silicone resin and various color pigments	300°C	• High temperature up to 300°C
THERMOTECT 600	A single pack heat resistant finish formulated using a silicone resin pigmented with aluminium flake	540°C	• High temperature up to 540°C
Epoxy paint			
THERMOTECT EP	Two pack epoxy phenolic paint with temperature and chemical stability	200°C	• CUI protection • High temperature up to 200°C
Inorganic zinc silicate paint			
ZINTECT 1500QD	Two pack inorganic zinc silicate providing quick dry times, heat and corrosion resistance	400°C	• Primer coating

CUI (Corrosion Under Insulation)

For unexpected corrosion occurring under insulation

Kansai offers a coating solution which protects against CUI. It is suitable for preventing unexpected corrosion under insulation which may lead to a serious defect in the pipelines.

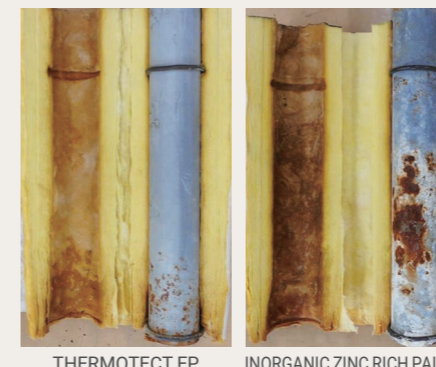


Requirement to paint for CUI

- Low and high temperature resistance
- Anti-corrosiveness
- Water resistance



Cyclic Corrosion Test Method (Example)



THERMOTECT EP INORGANIC ZINC RICH PAINT

Testing flow

- 1 Heat for 6 hours at 220 °C
- 2 Maintain for 2 hours without heating
- 3 Lay down the pipe and soak a half of it in brine for 0.5 hours
- 4 Pick up, turn upside down, and leave the pipe for 15 hours at 23 °C
- 5 Test duration is 20days (20cycles)

