



## PRODUCT DATA

# **THERMAL COAT (internal)**

**Single component water based glass-ceramic composite coating.**  
**Protect metallic surfaces from high temperature oxidation and corrosion.**  
**Protect steel from sea water corrosion at high temperatures.**  
**Excellent adhesion on metallic surfaces. Outstanding resistance to thermal shock.**  
**Eco friendly. No VOC content.**  
**Stable up to 700°C.**

### Properties

Colour	Grey
Density	1.8 – 1.9 g/cc
Solid content	72 %
Thinner	Deionised water
Application	Brush or spray
Recommended DFT	100 - 250 microns
Coverage	4.5 sq.m/kg at 100 micron DFT
Touch dry	30 mins
Curing	Air dry for 2 hrs.
Post cure at 250°C.	Finish
Matte	Adhesive strength
950 psi	Salt spray resistance
>2000 hrs.	Storage

**Application Procedure**

- Follow a standard cleaning process to remove oil, grease, rust, etc.
- Sand blast the metal surface or clean with rough emery
- Apply coating by conventional spray or airless spray.
- Use water as thinner.
- Air dry for 2 hrs. Raise the temperature @ 2°C per minute. Post cure at 250°C or above for 2 hrs.
- To get glossy finish, polish with buffing tools.

**THERMAL COAT**

**ECO FRIENDLY**

**HIGH TEMPERATURE OXIDATION & CORROSION RESISTANT COATING - 700°C**

IMPORTED:  
JP CONSULTANCY & ENGINEERING SDN BHD  
[www.jpnrctech.com](http://www.jpnrctech.com)

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### Areas of application

Boilers, Chimney, High temperature exhaust fans, Thermal power plants, Petrochemical industries, High temperature reactors, Heat exchangers, Steam Headers, Valves & fitting and etc