VIJAY
Systems Engineers

VS STEEL COATING VM

FIRE RETARDANT COATING COMPOUND
PROTECTS STEEL STRUCTURE

(VSSC120VM)

PRODUCT DESCRIPTION

VS Steel Coating VM provides fire protection to structural steel. It imparts fire resistance and heat insulation by forming thick
foam like char in fire conditions. It prevents sudden collapse
of the steel structure due to fire.
The phenomenon of possible collapse of steel structures in fire conditions is based on the fact that steel loses nearly 50% of its mechanical strength at a temperature of 550 °C. When all the exposed surface of structural steel is coated using VS Steel Coating VM, a fire rating of upto two hours is possible.

SPECIAL FEATURES:

- It has excellent adhesion to most structural steel surfaces and the conventional primer and paint systems in commercial and industrial units
- Very light weight and easy to apply just like a paint coat. does not change the original look (shape & size).
- It has a good surface finish like a rough matt face. No further painting of the coated surface is necessary.
- Is easy to apply either during prefabrication or after completion of structure
- Modifications to the structure are feasible with little maintenance efforts
- It can withstand conditions like: aging, vibrations, temperature variations
- The system does not evolve major toxic gases during exposure to fire conditions. Ecologically harmless.
- The system is not prone to attacks by vermin, termite or rodents

SPECIFICATIONS

PROPERTY	PRESENT VALUE
• Colour & Appearance	• Grey, Granular Powder Mix Plaster Compound
• Dry Bulk Density	• 550 +/ - 50 kg/m 3
• Flammability / Combustibility	• Non Flammable when cured dry.
• pH	• 7 to 9
• System Reinforcement	• Sprayable coating.
• Surface Preparation	• Sa 2 1/2 (bright, White/grey Base Metal)
• Adhesion Base	• Two Component Zinc Rich Epoxy Primer 50 Microns DFT Minimum

TESTED IN ACCORDANCE WITH ASTM-E-119 & UL 263
for 2 HOURS FIRE RATING