



PAINTCO INTUMESCENT COATING 6000

DESCRIPTION

- Paintco Intumescent is a high performance solvent based fire protection system specially developed to provide enhanced fire resistance to structural steel and woods which requires two hours protection. It is based on special binder combined with highly efficient intumescent pigments and fillers which provide the optimum resistance to fire spread (propagation). This unique combination of resin and pigments enables the coating to minimize flame spread in the event of a fire thus restricting the speed at which the fire can be spread.

Recommended use:

- It is suitable as a topcoat on Paintco epoxy zinc phosphate 2PK 6447.
- The use of intumescent coating over galvanized substrates is not normally recommended due to its relatively low melting point.

Outstanding characteristics

- When it is exposed to flames, it intumesces (swells) 70-80 time of its dry film thickness to create protective barrier against heat.
- Excellent durability
- 1-2 hours fire protection relative to DFT

PHYSICAL DATA

No. of components	:	one
Finish	:	matt
Specific gravity	:	1.30±0.02
Volume solid	:	approx 60%
Dry film thickness	:	500/coat
Touch dry	:	60 min at 25°C
Hard Dry	:	12 hrs at 25°C
Full dry	:	7 days at 25°C
Theoretical spreading rate (500μ)	:	1.2 square meter per liter
Shelf life	:	12 months

Note : drying time will vary depending up-on film thickness and ambient conditions(including air movement , air temperature , humidity etc.)

APPLICATION DATA

Application method	:	Airless spray, and brush and roller
Application temperature	:	10-40°C
Thinner	:	Thinner is not normally required. Clean equipment with Thinner NO. 323
Surface Temperature	:	The steel temperature should be between 5°C and 30°C and at least 7°C above the dew point.
Relative humidity	:	maximum 85%
Recoat interval	:	min 4 hrs
Airless spray data	:	Nozzle 0.017"to 0.027"(0.4-0.7mm),

SURFACE PREPARATION:

- The surface to be blasting must be free of oil grease and moisture to a near white steel structure painting council SP-10 or (SIS Sa 2.5). The profile of blasted surface should be 40-65 microns (1.5-2.5mils.) The surface is to be coated must be clean dry and well prepare to receive the coating.
- Priming coat: Paintco epoxy zinc phosphate 2PK 6447.