RODIVA FINISH 1100

Description

Rodiva finish 1100 fire retardant paint is a water borne fire protection coating for interior use. This coating has been successfully tested on a variety of timber substrates According to Egyptian Standard Specification No 1123/ 2001 for fire retardant paints.

Principal Characteristics

Rodiva finish 1100 Fire Retardant Paint can be applied to reduce the ignitability of soft and hard wood and other wood derivatives, i.e. plywood, chipboard, fibre insulation board, hard board, also on veneering ≥ 12mm thickness. Will help maintain the non-combustibility of surfaces such as masonry and plaster. Insulates against heat, checks fire, prevents propagation of fire and diminishes flue-gas density and flue-gas temperature. For interior use only. Not suitable for surfaces exposed to mechanical stress.

PRODUCT FEATURES

Is a water-based coating system

- Can be applied by brush, roller or spray
- Tested to Egyptian Standard Specification No 1123/ 2001 for fire retardant paints.
- Where a final decorative or protective finish is required, a water borne, non-flammable paint may be used.
- Can be applied over sound existing coatings.

Technical data

Color & gloss	White, off white and grey / matt.
Mass density	Approx. 1.51 gm. / cm3

Solid content	Approx. 56 % ± 2 by volume
Theoretical spreading rate	4 m2/ltr for 150 microns D.F.T.
	2.65 m2/ kg for 150 microns D.F.T.
Touch dry after	Approx. 3 - 4 hours
D.F.T	150 - 200 ums (minium Dry film thickness to retard fire)
Over coating interval	Min. 10 hours. (at 25 ºC & 60 % R.H.)
	max. 3 months. (at 25 ºC & 60 % R.H.)
Full cure after	7 days
Shelf life(cool and dry place)	At least 12 months in original containers.

Recommended substrate conditions:

Previous coat of Rodiva primer 1200 (dry film thickness 50 µ) within over coating interval and free from any contamination.

If the over coating interval has been exceeded, the previous coat should be roughened up.

APPLICATION INSTRUCTIONS

- Stir Rodiva finish 1100 Fire Retardant Paint thoroughly until free of lumps.

Substrates must be dry (moisture content must not exceed 15%), free from

-Preparation: dust, wax, grease, dirt, resin, etc. Existing coatings with poor adhesion must

-be completely removed. Coatings containing lime, chalk or lithopone should be removed.

APPLICATION METHODS

Airless spray

-material shall be applied undiluted.

-airless spray equipment with pressure ratio 30:1

-hose diameter not below 3/8″

-whip line 1.5 - 2m. NW6 may be used.

-recommended tip size 0.34 – 0.66mm or 0.017″ – 0.027″

-hoses must be used only for water-based coatings.

Brushing/Rolling

For small area and material shall be applied undiluted.

Application conditions:

Object temperature not below +10°C, to max. +40°C.

Relative humidity max. 70%.

Application temperature shall be at least ≥ 3°C above dew point. In case relative humidity exceeds 80%, special measures must be taken to prevent condensation forming while applying

If the moisture content of the substrate exceeds 15%, the coating is unlikely to dry and blooming may occur.

Moisture content should be at or near that anticipated when in use.

HEALTH AND SAFETY INFORMATION:

Please observe safety instructions on container labels and local regulations. Dangerous Goods regulation should be followed. During application in closed rooms, pits and shafts, etc. sufficient ventilation must be provided. Keep away from naked flame, including welding. In poorly lit rooms, only electric safety lamps are permitted. The installed ventilation equipment must be spark-proof. In a liquid or not fully cured state, the product contaminates water and should not be allowed to enter drains or be spilled onto open ground.