INTUSAYF WATER BASED

1 General Description

A water based fire retardant which in the event of a fire in excess of 200° C, first softens and then expands to 20 times it's applied thickness to form an insulated foamed carbonised char. Intusayf provides fire resistance to structural steel work when applied in accordance with predetermined dry film thicknesses. Intusayf can also be applied to combustible materials such as electrical cables, PVC pipes and wood to enhance fire resistance by limiting spread of flame.

Note :A protective top coat should always be applied to protect the Intusayf from impact or abrasions and against leaching of the intumescent properties in the Micon Intusayf

2 Physical Properties

Viscosity	:	Brookfield/ 15000cps/ spindle 6/20
SG	:	1.275g/cm3
Touch dry	:	2 - 5 hours
Full cure	:	24 hours
Overcoating period	:	24 hours
Shelf life	:	12 months in unopened tin
Volume Solids	:	50%
Spread rate	:	1m2/l to give w.f.t 1 000 microns, and d.f.t of 500 microns
Total recommended d.f.t	:	As per manufacturers specification
Colour range	:	White
Flash point	:	
Packaging	:	5 Litre 25 Litre

3 Surface Preparation

Steel

Remove all oil, grease and dust using a suitable degreaser.
Remove all particles of mill scale and rust with a wire brush until surface is clean
Shot blast to SA 2 ½ of the Swedish standard with blast profile of 40 - 60 microns
Apply primer immediately

Cables

Remove all foreign material from cables such as dust, grease, cement, grit by means of washing with a heavy duty detergent followed by rinsing with fresh water. Allow cable to dry completely.

4 Application

Can be applied by brush, roller or spray equipment

5 Thinning

If absolutely necessary can be thinned 5% by volume with water

6 Cleaning of equipment

Clean equipment with water immediately after use.