

# INTUSAYF SOLVENT BASED QUICK DRYING

## 1 General Description

A solvent based fire retardant intumescent 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. Not recommended for use in confined areas or near a naked flame

## 2 Physical Properties

Viscosity	:	Brookfield/ 15000cps/ spindle 6/20
SG	:	1.220g/cm <sup>3</sup>
Touch dry	:	1 - 2 hours
Full cure	:	48 hours
Overcoating period	:	48 hours
Shelf life	:	12 months in unopened tin
Volume Solids	:	51%
Spread rate	:	1m <sup>2</sup> /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	:	2° C
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 Intusayf Thinners

### **6 Cleaning of equipment**

Clean equipment with Intusayf Thinners immediately after use.