



## TECHNICAL DATA SHEET – HPC 103 NU-FLAME W STEEL BASECOAT

### DESCRIPTION:

Nu-Flame W Steel Basecoat is a thin film water based decorative intumescent paint system providing fire resistance to structural steel and cast iron.

### ADVANTAGES:

½ hour and 1 hour fire resistance can be achieved with a single application of Nu-Flame W Steel Basecoat. 1½ hour fire resistance can be achieved with just two coats of Nu-Flame W Steel Basecoat.

### USES:

Water based, safe for internal application.

### COLOUR RANGE:

White

### PACK SIZE:

Single component product, supplied in 5 & 20 litre units.

### COVERAGE RATE:

This is dependent upon the type of steel being coated and fire rating required. Please consult our Technical Department for further information.

### VOLUME SOLIDS:

65 -75%

### DRYING TIME:

Brush/Roller application:

Surface Dry: 2 Hours Recoat: 4 Hours

Spray application:

Surface Dry: 4 Hours Recoat:10 Hours

Allow to dry for a minimum of 48 hours before overcoating with Nu-Flame Steel Top Coat



### PREPARATION:

Steel and cast iron should be free from rust and millscale and primed with Nu-Flame High-Build Metal Primer @ 75 microns DFT or other metal primers compatible with intumescent paints. Galvanised steel should be degreased and primed with a suitable etch primer. (for permanent external exposure, overcoating systems are required).

### APPLICATION:

Apply by brush, roller or airless spray.

Max. Relative Humidity 80% Min. Temp 6°C Min Steel Temp 3°C above Dew Point. Max thickness per coat: Brush 600 microns WFT. Max thickness per coat: Spray 1800 microns WFT

### EQUIPMENT CARE:

All equipment should be cleaned with water immediately after use

### STORAGE:

Store away from direct sunlight and sources of heat. Protect from frost.

### SHELF LIFE:

12 months (in original sealed container).

### HEALTH & SAFETY:

Refer to MSDS