

*“The intumescent coating for natural timber surfaces”*



- *Clear varnish and paint systems*
- *Class 1 and 0 protection*
- *Upgrade panel doors to FD20*
- *Improved fire resistance specification*
- *Water borne intumescent coating*

**Nullifire**<sup>®</sup>  
ENHANCING FIRE PROTECTION

*For further information please call . . . +44 (0)1203 855000 or fax: +44 (0) 1203 469547*

## WHAT IS SYSTEM W?

Nullifire System W is a waterborne intumescent coating which provides spread of flame protection to internal natural timber surfaces. It is available as a clear or coloured finish.

## WHERE IS SYSTEM W USED?

Where a wall or ceiling lining in natural timber requires a Class 1 or Class 0 rating. Panelled doors can be upgraded to FD20 fire standard with System W. The onset of char to a timber section (eg joists) can be delayed to extend the fire performance of the joist.

System W should not be used in areas of high humidity, or on floors, stairtreads, handrails and surfaces where significant physical wear is likely.

## WHY USE SYSTEM W?

It is a film coating which provides a level of fire protection but still allows the natural beauty of timber and or decorative mouldings to be featured.

It is normally brush applied in a number of coats to achieve the required loading.

## HOW DOES SYSTEM W WORK?

System W is an intumescent coating with a high flame retardant content which provides low flammability. In a fire the developing carbonaceous char delays the fire attack on the wood and its subsequent loss of stability.

## WHY CHOOSE SYSTEM W?

The product has been extensively tested at independent NAMAS accredited laboratories to BS 476: Parts 6 and 7, FD20, upgrade doors and 'Improved Fire Resistance'.

It is available in a matt or satin clear finish and in a full range of BS4800 colours.

## SYSTEM W SPECIFICATION

"Apply onto correctly prepared natural timber, waterborne Nullifire System W basecoat ..... (clear/pigmented) to a dry film thickness of .....mm (see table). Overcoat with topseal .....(matt./satin or colour) to achieve ..... (Class 1/Class 0). Apply in accordance with manufacturers instructions."

Product	Class	DFT (mm)	WFT (mm)	No of coats
Clear	Class 1	0.14	0.23	2
Basecoat	Class 0	0.21	0.35	2
Clear Topseal		0.03	0.08	1
Pigmented	Class 1	0.11	0.32	2
Basecoat	Class 0	0.11	0.32	2
Pigmented Topseal		0.03	0.09	1

For panelled doors to be upgraded to FD20 standard they should have a minimum thickness of solid timber as follows:

- All rails and stiles 35mm
- Panels 8mm
- Maximum gap door/frame 3mm

The loading to be WFT 0.32mm for rails and stiles and WFT 0.46mm for panels.

The loading for 'Improved Fire Resistance' is WFT of 0.64mm.

### Note:

For site conditions, applications and any limitations in the use of System W please refer to the Application Instructions.

## COMPLEMENTARY PRODUCTS

If you require to seal the door edges System D Door Strips provide 30 and 60 minute seal in both plain and fire/smoke combination forms.

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### For Further Information on System W Please Contact

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