

# NORDICFIRE

Passive fire protection for trade



**PASSIVE FIRE PROTECTION**  
**ADVISE - PRODUCTS - SOLUTIONS**

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## PROJECTS NORDIC FIRE PROTECTION HAS CONTRIBUTED TO



*Kilden cultural center in Norway. Billowing oak wall treated with ES/VFR flame retardant coating to B s1 d0.*

*Artipelag art centre in Sweden. All internal wood treated with HW01 intumescent paint to EI30.*



Passive fire protection is meant to be invisible. We are proud to have supplied materials and knowledge to a number of high profile buildings in Scandinavia. We are also proud that you would never know.

*Vennesla Library in Norway. Interior supportive glulam beam system treated with ES/VFR flame retardant coating to B s1 d0.*





*Starbucks in Malmö, Sweden. Wood paneling treated with ES/VFR flame retardant coating to B s1 d0.*



*Concert Hall in Stavanger, Norway. Interior wood veneer and MDF treated with ES/VFR flame retardant coating to B s1 d0*



*Ulls Hus in Sweden. Interior wood treated with ES/VFR flame retardant coating to B s1 d0.*

*Church in Bollnora, Sweden. Wooden ceilings treated with ES/VFR flame retardant coating to B s1 d0.*



*Kongsvinger Festing in Norway. Internal wood treated with HW01 intumescent paint to EI30.*



## COATINGS FOR WOOD HW SERIES & ES/VFR

### WOOD WITH FIRE RATING

We offer two types of protection for wood and wood derivate such as chipboard/mdf. The intumescent HW-series will give 30 to 60 minutes of protection, while the flame retardant ES/VFR series gives EN B s1 d0 (BS Class 0, Class1)

### HW SERIES

HW-series comes as a white paint (HW01) or a clear varnish (HW02). Both types are water based. In case of fire the coating will expand and give the substrate a physical barrier. The unique formula gives the advantage of not needing to remove existing treatment from the wood before applying the fire protection. The paint/varnish is a specialist product and needs to be applied in line with instructions given. Note that the HW-series need a topcoat applied as soon as it is dry. The good news is that as long as the topcoat is in good condition, the fire protection is intact, year in and year out. HW-series is also used to upgrade wooden doors to a fire rated status.



### FACTS HW-SERIES

HW01 intumescent white paint.  
HW02 intumescent clear varnish.

Size: 1, 2.5, 5 or 20 litre tins. Coverage: 8-10 m2 per litre.

Water based. Product can be applied to new wood or previously painted surfaces.  
Hardwood could need a primer.

EI30: achieved with 2 coats of 125 my. EI60: achieved with 3 coats of 125 my.

B s1 d0: achieved with 1 coat of 125 my.

Application: spray, brush or roller. Note that product is hygroscopic and need a topcoat applied.



Artipelag Art Centre, Sweden – treated with HW01



Kongsvinger Festing,  
Norway – treated with HW01

## ES/VFR

ES/VFR is a flame retardant white paint or clear varnish. It is designed to not ignite and tested to a “spread of flame” rating. This is often a must in large public spaces like hospitals, libraries, airports etc. ES/VFR is water based and can be applied on new wood or previously treated surfaces. It needs a top coat, but this can be any normal paint or varnish.



Kilden concert hall, Norway - treated with ES/VFR Clear

### FACTS ES/VFR

ES/VFR white, flame retardant paint.

ES/VFR clear, flame retardant varnish.

Size: 1, 2.5, 5 or 20 litre tins.

Coverage: 12-15 m<sup>2</sup> per litre.

Water based. Product can be applied to new wood or previously painted surfaces.

Hardwood needs a primer.

B s1 d0 (BS Class 0, Class 1): achieved with 2 coats of 85 my.

Application: spray, brush or roller. Note that ES/VFR need a topcoat.



Vennesla library, Norway – treated with ES/VFR Clear

# SEALANTS – PYROCOUSTIC & HPE

## SAFE PASSGE

All rooms need services, but every opening in the wall is a fire risk. This can be amended with liquid intumescent and / or fire rated acrylic.

A new product on the market with many uses is Pyropro HPE, High Pressure Exerting, a liquid intumescent that can crush and seal pipes up to  $\varnothing 125$  mm in case of a fire.

All our tubes are CE-marked.



## FACTS PYROPRO HPE

Graphite based product that when exposed to fire expands to protect cable bunches, cable trays, plastic and metal pipes.

Tested to EN 1366-3:2009 & EN 1366-4:2009.

Fire resistance classification EN13501-2.

Gives 2 h fire protection on pipes up to  $\varnothing 125$  mm.

Suitable for use in irregular applications.

Air Permeability EN 1026:2000 Size: 310ml Cartridge.



## FACTS PYROCOUSTIC ACRYLIC SEALANT

Tested to EN 1366-4:2009, EN 1366-3:2009, UL 2079, ASTM E 1966 & BS476 pt 20&22.

Fire resistance classification EN 13501-2.

Acoustic Isolation EN 10140-2:2010 up to 48dB.

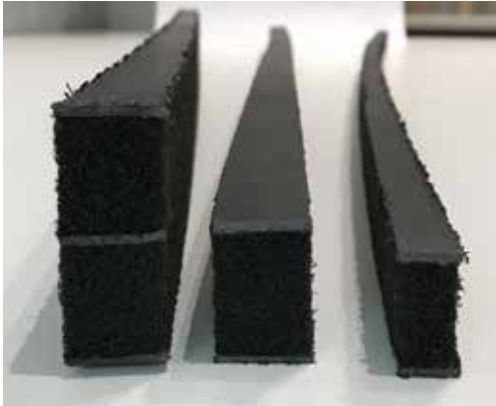
Air Permeability EN 1026:2000 600Pa.

Colour: white, grey, red and brown.

Size: 310ml Cartridge, 600ml Foil.



# LINEAR GAP SEALS AND FIROBLOK



## LINEAR GAP SEALS

Most construction materials need gaps to allow for expansions. The gaps need to let air and moisture through, but not smoke or fire.

The solution in many cases is a Linear Gap Seal. Black foam with intumescent layers sandwiched around and in between. The beauty of this product is that it is fantastically easy to fit: compress, put into place and let go.

### FACTS LINEAR GAP SEALS

Sandwich type gap seal of elastomeric foams and graphite impregnated strips.

Tested to EN 1366-4:2006 & BS476 20 & 22.

Designed to deliver 120 or 240 min fire protection.

Offers high movement capabilities up to 200mm joint sizes.

Size: for gaps from 10 mm to 200 mm.

## FIROBLOK

Where a pipe or conduit passes through a fire rated wall, the penetration needs to have a tested and fire rated solution in order to maintain the status of the wall as a whole.

Firoblok intumescent sleeves are tested to crush and fill pipes in case of fire, making it harder for a fire to spread.



### FACTS FIROBLOK

Foil covered intumescent sleeves, made in all sizes.

Tested to EN 1366-3:2009.

Classified to E120, EI90 fire protection.

Size: for pipes, cable trays or conduits from 8 mm to 215 mm.

**Nordic Fire Protection -  
A brand under Scandinavian Trading Ltd**

We cover most needs for passive fire protection. Our selected range is carefully documented and up to date with current European regulations.

Part of our range is already CE marked.

We give advice on passive fire protection. Our knowledgeable staff will custom make a solution suitable for the situation at hand.

**Terms of business**

Nordic Fire Protection and Scandinavian Trading Ltd source our products from UK and European manufacturers of Passive Fire Protection. We deal with trade customers only.

Minimum order value is £100.

All goods priced ex factory and ex VAT.

**NORDICFIRE**

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