

## Technical data sheet for NOVATHERM 1FR

### PRODUCT DESCRIPTION

NOVATHERM 1FR is a halogen free, waterborne resin.

### SPECIAL PROPERTIES

NOVATHERM 1FR is an intumescent paint that foams into a thick layer when exposed to high temperatures derived from flames or intensive heat radiation from fire. The porous layer of foam effectively extinguishes the flow of heat to the treated surface. NOVATHERM 1FR shall always be used in conjunction with TOP 1FR, top coat.

### FIELD OF APPLICATION

NOVATHERM 1FR is used to prevent spread of fire in internal wall and ceiling linings made of solid wood or chip-board. NOVATHERM 1FR is also used for fire protection of structural timber works.

### APPLICATION

The surface that is to be painted with NOVATHERM 1FR must be untreated and free from dust and grease. Certain kinds of fatty wood, e.g. teak, should undergo a test coating of a small area to determine the adhesion. Application should be avoided at temperatures below +10°C. The paint should be kept at room temperature to aid easy application. The moisture in the wood must be carefully examined and it must not exceed 10% for undressed wood. Roller, brush or airless spraying can be used for application. Consult Protega AB or retailer for recommended type of tools. NOVATHERM 1FR should be well stirred before application. Tools can be cleaned in water.

### DRYING TIME

At a temperature of min. +23°C and an air humidity of max. 50%, following is applicable:

- 8 hours for each layer of coating.
- Dry to be sealed with TOP 1FR after 48h.

### PACKING

Plastic bucket containing 12.5 kg. 44 pc/pallet.



### PROTECTIVE MEASURES

*Preventive measures:* Avoid contact with skin and eyes.  
*Personnel safety devices:* At handling where prolonged or repeated direct contact cannot be excluded protective gloves should be worn. Protective glasses are recommended when there is a risk of splashes. To avoid other types of direct contact suitable protective clothes are recommended. See further Safety Data Sheet.

### ADDITIONAL DATA

*Viscosity:* High viscosity  
*Flash point:* Non-combustible  
*Specific gravity:* 1.3  
*Non.vol.contnt:* 65%  
*Thickness:* 300 g/m<sup>2</sup> wet paint will give 230 µm wet thickness and 150 µm dry thickness  
*Thinner:* Water  
*Storage:* 12 months for unopened packing.

### MUST BE PROTECTED AGAINST FROST

#### Structural wood

wet paint quantity (g/m <sup>2</sup> )	wet film (µm)	dry film (µm)
500	385	215
750	578	323
1000	770	430
1250	963	538
1500	1155	645

#### Surface B-s1,d0

wet paint quantity (g/m <sup>2</sup> )	wet film (µm)	dry film (µm)
300	230	150

### APPROVALS

According to different national standards e.g. SBI EN 13823 (B-s1,d0), BS 476: PART 6 and 7 etc. Consult Protega AB or retailer for additional information.

*All information in this sheet is to be considered as guidelines collected from technical tests and practical knowledge of the product. This information may not be used as a basis or verification for other tests or systems. Protega AB is not responsible for other application fields or incorrect handling. The user must ensure that the last revision of this document is used. Please check on [www.protega.se](http://www.protega.se)*