

SPECIFICATION FOR THE APPLICATION OF

FIREBLOCK® 2000/W

Protection of load-bearing wooden structures and raising of fire resistance category to class R/RE/REI _____.

The application schedule involves the following phases:

1) **Preparation of surfaces**

Check that the material to be protected is free of oily substances, grease, release agents etc., which must be removed beforehand, and that the substrate is not already painted. Existing paint coats must be removed by sandblasting or by sandpapering with thick and then with thin abrasive paper. The moisture contents of the wood must be no greater than 12%, otherwise the characteristics of the treatment will be lost (this treatment has to be made on bare wood).

2) **Primer coat**

Application of our product STARWOOD/W, an aqueous wood preservative, in the quantity of 80-100 g/m² in order to impart properties of rot, mould and parasite resistance to the wood.

3) **FIREBLOCK® 2000/W**

Application of FIREBLOCK® 2000/W intumescent varnish in the quantity (g/m²) to be established in accordance with the structural characteristics and loading situations of the elements to be protected and also in relation to the required degree of fire-resistance (R/RE/REI 30/60/90/120). The film thickness of FIREBLOCK® 2000/W to apply is established on the basis of tabular or analytical assessment and determined by the reference engineering office.

The FIREBLOCK® 2000/W can be applied by brush, roller or spraying in the amount of 200 g/m² per coat.

4) **Finish**

When the FIREBLOCK® 2000/W varnish film is fully dry, the surface finish is completed if necessary by applying our chlorinated rubber based STARGUM CLEAR (transparent) top coat, designed to impart anti-weathering and water-resistant properties to the intumescent protection. The recommended quantity of STARGUM CLEAR is 0.13 l/m² (150 g/m²), equivalent to a dry film thickness of approximately 50/60 µm.

The cost of the primer treatment, intumescent coat, and top coat, if required, is € _____ /m², excluding the cost of application, scaffolding, sandblasting or other substrate preparation work.

The consumption for coat and the number of coats depend on the application system adopted and the type of wooden structure to be treated. The painter is advised to check consumption personally and to keep strictly to the prescriptions of our engineering office.

Starkem will supply:

a) certificate issued by the CSI laboratory in Bollate (Milan) with file number CSI0895RF, dated 09/10/2000

b) declaration of conformity of the product supplied

c) additional note prepared by the reference engineering office testifying to the fact that the applied film thickness of FIREBLOCK® 2000/W is such as to impart the required R/RE/REI 30/60/90/120/180 fire resistance to the wooden structure.

d) fire resistance certificate of load-bearing and/or separating construction components prepared by the above-mentioned engineering office as per annex II of Italian Ministerial Decree 4 May 1998, point 1.1, letter a).

The painter shall produce self-certification using the relevant Starkem form testifying to the correct application of the product as required by annex II of Italian Ministerial Decree 4 May 1998, point 1.1, letter b).