
SPECIFICATION FOR THE APPLICATION OF FIREBLOCK® 2018

Protection of steel and galvanized steel load-bearing structures and raising of their fire resistance up to class R/REI_____

The application cycle provides the following procedures:

1) PREPARATION OF THE SURFACES

Check that surfaces are clean and free from calamine, rust, oil and any other occasional impurities.

- a) In the case of surfaces already treated with varnishes or enamels: it is necessary to remove them by sandblasting and/or mechanical brushing and/or by sanding and proceed to a thorough cleaning of the support before applying the primer.
- b) In the case of surfaces showing rust or calamine: it is necessary to perform a sandblasting of grade Sa 2 ½ or a mechanical brushing and proceed to a thorough cleaning of the support before applying the primer.

2) ANTICORROSIVE PRIMER

- a) On steel or galvanised steel surfaces, it is recommended the application of our dual component epoxy primer EPOXY PAINTRUST (A+B) in amount of 150 g/m² equivalent to a dry film thickness of approximately 50 micron.
- b) On steel surfaces, it is recommended the application of our one-component acrylic primer IDROSTAR in amount of 150 g/m² equivalent to a dry film thickness of approximately 50 micron.

3) INTUMESCENT PAINT

Application of several coats of intumescent paint called FIREBLOCK® 2018 with recoat time as specified in the relative technical data sheet. The dry film thicknesses and the quantities of FIREBLOCK® 2018 to be applied shall be determined by the engineering office of reference: they are based on the required fire resistance class and of the technical data, relating to the profiles to be painted, contained in report of calculation and in the drawings.

The FIREBLOCK® 2018 can be applied by brush or roller in the amount of 500 g/m² per coat, or by spraying in the amount of 700 g/m² per coat (airless device without filter with nozzle 31).

It's important to take great care in the angled areas where the product tends to accumulate. Spray in this case at a distance of dispensing more high, reducing the scope of the gun.

4) TOPCOAT

When the FIREBLOCK® 2018 paint film is completely dry (after at least 2 days) the application procedure can be completed, if necessary, by applying our chlorinated rubber topcoat called STARGUM COLOR (semi-gloss or glossy version) designed to impart anti-weathering and water-resistant properties to the intumescent protection. The recommended quantity to apply per coat is 150-200 g/m² equivalent to a dry film thickness of approximately 60 micron. We suggest the application of one coat or two coats of STARGUM COLOR depending on the type of use.

For any information not mentioned above, please look at our technical data sheets.

The cost of undercoat treatment, intumescent paint and eventual topcoat will cost €_____ per m² excluding laying, scaffolding and sandblasting or the preparation of the substrate.

The quantity required for each coat and the number of coats to apply are in relation to the application system adopted and to the steel structure to treat. The instructions of our Technical Assistance Service must be strictly followed.