

## AMOTHERM STEEL WB HI

Supply and application of Amotherm Steel WB water-based intumescent paint, with a VOC of less than 8 g/l, for the indoor protection from fire of new or existing, galvanized or non-galvanized, steel structures.

The fire proofing treatment must be carried out by spraying, brushing, using a roller or with an airless pump, applied at any height, either vertically or horizontally and/or at any angle.

Before applying the intumescent coating, the surface must be carefully cleaned to remove all traces of oil or grease.

The preparation varies according to the type of surface to be treated. More specifically:

- new or existing, non-galvanized steel structures must first be sandblasted to grade SA 2½ (down almost to bare metal) and protected with a coat of Amotherm Steel Primer SB anti-corrosive primer.
- galvanized steel structures should be treated beforehand with a coat of Amotherm Steel Primer WB in order to aid the adhesion of the intumescent paint.

The quantity of intumescent paint to be applied to the various steel surfaces to be protected will depend on:

- the fire-resistance class required (R)
- the section factor of the individual profiles making up the structural framework to be protected
- the actual load conditions that determine the critical temperature
- the type of exposure to fire of each of the structural elements (pillar, beam, etc.).

For indoor applications, where there is damp and heavy condensation, or in areas where there is weak chemical activity as a result of specific industrial processes, we recommend the application of Amotherm Steel Top WB acrylic topcoat or Amotherm Steel Top SB solvent-based topcoat.

Assessing the protective measures to be taken and determining the thickness to be applied must be carried out based on the contents of the evaluation reports prepared in accordance with the methods laid down in standard EN 13381-4 or EN 13381-8.

Intumescent paint certified by European technical approval ETA as required by EAD regulation 350402 - 00 - 1106.

Intumescent paint with environmental certification EPD according to ISO EN 14025 and EN UNI 15804 (environmental label type III) as required by Article 34 of the new Public Contracts Code defined by Legislative Decree No. 50 of 18-04-2016 and updated by Legislative Decree No. 56 dated 19-04-2017.

Guideline costs of materials and application by airless spray (excluding scaffolding and any preparation of the surface):

- Amotherm Steel Primer WB: € 4,80/m<sup>2</sup> (100 g/m<sup>2</sup>)
- Amotherm Steel Primer SB: € 5,20/m<sup>2</sup> (150 g/m<sup>2</sup>)
- Amotherm Steel WB HI intumescent paint: €15,50/m<sup>2</sup> (for 500 micron DFT - 0,9 kg/m<sup>2</sup>)