



## PRODUCT INFORMATION

## PASSIVE FIRE PROTECTION

# HEMPACORE AQ 48860

### Product Description

**HEMPACORE AQ 48860** is a one-component water-borne, chlorine free, physically drying intumescent coating for passive fire protection of structural steel against cellulosic fires. It is a VOC free product and it is a CE marked product with European Technical Assessment ETA 13/1051 according to ETAG 018 Part 2.

### Typical applications

**HEMPACORE AQ 48860** is a water-borne thin film intumescent coating for passive fire protection of structural steel used in industrial halls, public buildings, stadiums, exhibition halls, airports, supermarkets, etc. It can be used for new construction or repairs. It can also be used as a touch up coating of freshly applied **HEMPACORE AQ 48860**.

- Provides efficient fire protection of open beams and columns and hollow sections steel profiles for up to 60 minutes in cellulosic fires in accordance with EN 13381-8
- Suitable for use in indoor conditions for environments up to C2 in accordance with ISO 12944-2:1998
- It is suitable for in-shop (off-site) and on-site applications by airless spray or brush

FEATURES	BENEFITS
High performance product	Low DFT loadings enables lower total project cost and faster application
High quality raw materials	Reliable product
Short drying times and recoating intervals	Decreases total application time
VOC free	Conformity with regulatory demands and environmentally friendly enhancing the Green Building concept
Compatible with wide range of primers and topcoats	Ability to tailor-make coating systems to fit different exposure conditions



### PHYSICAL CONSTANTS

Colour White/10000

Volume solids 67 ± 3%

Theoretical spreading rate Depending DFT – e.g. 1 m<sup>2</sup>/litre - 670 micron

Flash point 180 °C

Specific gravity 1.4 kg/litre

Surface dry 15 min at 20 °C (750 µm)

Dry to touch 1 hour at 20 °C (750 µm)

Dry to handle 8 hours at 20 °C (750 µm)

V.O.C. 0 g/litre



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### Apply the CORE benefits in AQUA

- **HEMPACORE AQ** is the desired choice of fire protection by combining high performance with fast drying in one core product

#### Main features:

- Ability to specify low DFT because of high performance materials
- Short drying times and recoating intervals that reduce the total application cost
- VOC free

### Typical specification



Low corrosion category Interior Mixed WB/SB system

1x 50 µm	HEMPADUR 15570	
1x	HEMPACORE AQ 48860	* acc to specification
1x 50 µm	HEMPATHANE HS 55610	



Very Low corrosion category – Interior Total WB system

1x 75 µm	HEMUCRYL PRIMER HI-BUILD 18032	
1x	HEMPACORE AQ 48860	* acc to specification
1x 50 µm	HEMUCRYL ENAMEL 58100	** acc to specification

- \* HEMPACORE DFT specification based on fire rating and steel profile. Please contact your local Hempel office for a project specification.
- \*\* In a C1 environment a topcoat may be specified, for example, for aesthetic enhancement purposes. In such cases, the topcoat must be approved for use with the HEMPACORE product range. Please contact your local Hempel office for advice.



#### MORE INFORMATION AVAILABLE UPON REQUEST

For further information about dry film specification of intumescent, project specifications, and other custom-built specifications with our approved primers and topcoats - please contact your local HEMPEL office.

This product should not be used without reference to the relevant Product Data sheet and Material Safety Data sheet, copies of which are available on [www.hempel.com](http://www.hempel.com) or from your local HEMPEL office upon request.

The products are supplied and all technical assistance is given subject to HEMPEL's GENERAL TERMS AND CONDITIONS FOR INTUMESCENT PAINTS, unless otherwise expressly agreed in writing.

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