

# Hempafire XTR 100

A lightweight UL 1709-certified hydrocarbon passive fire protection coating with low dry film thicknesses

## Product description

Hempafire XTR 100 is a lightweight, two-component, epoxy-based intumescent coating that provides up to 4 hours UL-certified fire protection against hydrocarbon pool fires. Tested and certified in accordance with the UL 1709 standard, Hempafire XTR 100 will protect structural steel from the rising temperatures it is exposed to during a hydrocarbon pool fire, enabling it to maintain its structural integrity for a longer duration. It does this by forming an insulative char that protects the steel from the effects of thermal exposure.

## Typical uses

As passive fire protection for structural steel in oil & gas facilities, petrochemical plants and the power generation sector that require protection against hydrocarbon pool fires. It can be used on:

- ✓ Structural steel (beams, columns, bracings, coatbacks, etc.)
- ✓ Pipe racks
- ✓ Vessel supports (skirts, saddles, legs, etc.)

## Key features

- ✓ Up to 4 hours UL-certified fire protection
- ✓ Low DFT and low total applied weight
- ✓ Suitable for modular and stick-build constructions
- ✓ Mesh reinforcement only required around section flanges
- ✓ Durable and impact resistant
- ✓ 2-hour system can be applied in one working day

## Certificates and approvals

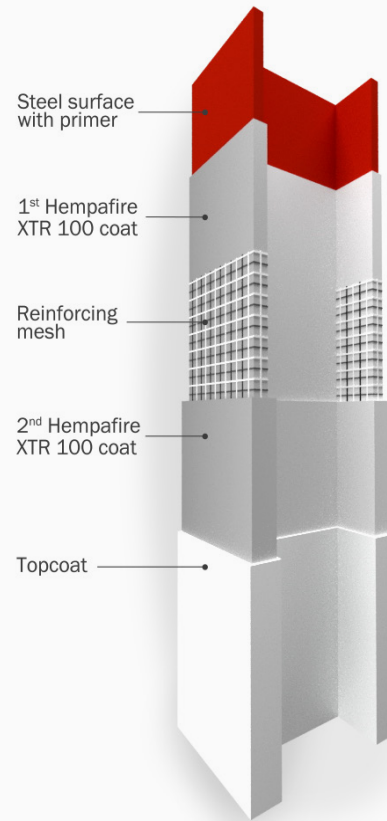
- ✓ UL 1709 certified product, Design No. XR671
- ✓ UL 2431 Category I-A Outdoor, Heavy Industrial



Characteristics	Benefits
Certified fire protection for up to 4 hours against hydrocarbon pool fires	Increases employee safety by giving valuable extra time for evacuation Reduces asset damage by giving more time to extinguish a fire
Lower DFT than equivalent hydrocarbon PFP products	Provides the same duration of fire protection at reduced DFTs, lowering project costs and application time
Durable and impact resistant	Ultimately reduces project costs and maintenance requirements
Reinforcement mesh (Hempafire Mesh 100) only required around section flanges	Lowers project complexity, as well as costs and time, during application
Simple and fast application	A 2-hour passive fire protection coating system can be applied in one working day, increasing applicator productivity



## System details



The system only requires use of Hempafire Mesh 100 reinforcement around the section flanges. It can be applied to both modular and stick-build constructions. Use Hempafire XTR 100 with Hempel approved primers and topcoats.

For more information, contact Hempel at [hempafireXTR100@hempel.com](mailto:hempafireXTR100@hempel.com)

## Physical constants

Colour:	Signal Grey 17160
Number of components:	2
Mix ratio:	2.5:1
Pot life:	3 hours at 10°C [50°F] 2 hours at 25°C [77°F]
Finish:	Semi-gloss
Volume solids:	100%
Flash point:	35°C (95°F)
VOC:	19 g/L [0.16 lb / US gal]
Hard dry:	24 hours at 10°C [50°F] 11 hours at 25°C [77°F]
Touch dry:	16 hours at 10°C [50°F] 5 hours at 25°C [77°F]
Maximum temperature, dry exposure only:	100°C [212°F]

The physical constants stated are nominal data according to the Hempel Group's approved formulas. They are subject to normal manufacturing tolerances. The product should be used with reference to the technical specifications.

### Hempel A/S

Lundtoftegaardsvej 91, 2800 Kgs. Lyngby, Denmark

Tel: +45 4593 3800

[hempel.com/HempafireXTR100](http://hempel.com/HempafireXTR100)