

## Declaration of Performance

No DOP 43360

Revision 4, March 2022

1)	Unique identification code of the product-type	Hempafire Pro 315
2)	Intended Use:	Solvent borne reactive coating for the fire protection of structural steel
3)	Manufacturer:	Hempel A/S Lundtoftegårdsvej 91 DK-2800 Kgs Lyngby Denmark
4)	Authorised Representative:	N/A
5)	System/s of AVCP:	System 1
6a)	Harmonised Standard:	N/A
	Notified Bodies:	N/A
6b)	European Assessment Document:	EAD 350402-00-1106 (September 2017)
	European Technical Assessment:	ETA 18/0689 (21-02-2022)
	Technical Assessment Body:	ITeC
	Notified Body/ies:	ITeC(1220)
7)	Declared Performance	See Table 1

Table 1: Declared Performance

Essential Characteristic	Performance	Technical Specification
Reaction to Fire	D-s2,d0 when applied over any primer as given in table 2 and without- or with a topcoat as given in table 3 B-s1,d0 when applied at max 900µm DFT, using any primer as given in table 2 and using topcoat Hemptane HS 55610 at 80µm DFT.	EN13501-1:2007 + A1:2010
Fire Resistance	H or I Sections beams and columns, and Rectangular, Circular Hollow Columns and 4 sided-Rectangular Hollow Beams: R15, R30, R45, R60, R90, at design temperatures from 300°C – 850°C. For beams and columns also R120	Tested according EN13381-8:2013 and classified according EN 13501-2
Cellular beams	Cellular beams R15, R30, R45, R60, R75 at design temperatures from 350 – 750°C	EN13381-9:2015
Smouldering fire exposure	Meet requirements	EN13381-8:2013, Annex A
Durability	Without a topcoat or with topcoat, see table 3 Type Y Topcoated with approved topcoat, see table 3 Type X	section 2.2.5 of EAD 350402-00-1106
Release of dangerous substances	The product does not contain substances above threshold limits listed on Annex XIV (Authorisation list) or Annex XVII (Restriction list) or Candidate list (Substances of very high concern) under EU REACH 1907/2006.	

Table 2: Approved Primers for Hempafire Pro 315

Essential Characteristic	Performance	Technical Specification
Compatibility of primers on carbon steel by generic family (as supported by EAD350402-00-1106)	2-component Epoxy – SB	Section 2.3.4.2 of EAD 350402-00-1106
	2-component Epoxy – WB	
	1-component Epoxy - SB	
	Alkyd - SB	
	Alkyd - WB	
	Acrylics - WB	
	Zinc Rich Epoxy – SB	
	Activated Zinc primer - SB	
	2-component Polyurethane - SB*	
	Zinc-Rich Epoxy + 2-component Epoxy – SB*	
2-component Epoxy + 2-component Epoxy – SB*		
Compatibility of primers on galvanised steel (EN 1463)	Hempadur 15553	

SB = Solvent Borne

WB = Water Borne

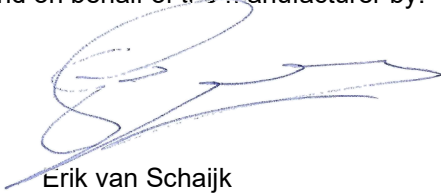
\*Primers and primer systems shown with asterisk are only supported when project specific written confirmation is provided by Hempel

Table 3: Approved Topcoats for Hempafire Pro 315

Type	Topcoats for Type X environmental use
Polyurethane - SB	Hempel's PolyEnamel 55102
	Hempathane Topcoat 55210
	Hempathane HS 55610
	Hempathane fast dry 55750
	Hempathane HS 55613
	Hempathane Speed dry topcoat 250
2 component epoxy - SB	Hempadur Fast Dry 45410
Type	Topcoats for Type Y environmental use
Acrylic - SB	Hempatex Hi-build 46410
	Hempatex Enamel 56360
Acrylic - WB	Hemucryl Enamel Hi-Build 58030
	Hemucryl Enamel - 58100
Alkyd - SB	Hempel's Speed-Dry Alkyd 43140
	Hempel's Speed-Dry Alkyd 43141
Polyurethane - SB	Hempathane TL87/EG 87480

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above

Signed for and on behalf of the manufacturer by:



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