

Declaration of Performance

No DOP 48860

Revision 4, July 2021

1)	Unique identification code of the product-type	Hempacore AQ 48860
2)	Intended Use:	Water 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 13/1054 (02-07-2021)
	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	B-s1,d0	EN13501-1:2007 + A1:2010
Fire Resistance	H or I Sections beams and columns, and Rectangular or Circular Hollow Columns: R15, R30, R45, R60, R90, R120, R180 at design temperatures from 350°C – 750°C	Tested according EN13381-8:2013 and classified according EN13501-2:2016
Smouldering fire exposure	Meet requirements	EN13381-8, Annex A
Durability	Without a topcoat Topcoated with approved topcoat, see table 3	Type Z1 Type Y 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 Hempacore AQ 48860

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 - SB	
	Acrylics - WB	
Compatibility of primers on galvanised steel (EN 1463)	Hempadur 15553	
Compatibility of primers on Stainless steel (EN10088)	Hempadur 15570	
Compatibility of primers on Thermally Sprayed Aluminium (TSA), 250µm aluminium coating	Hempadur 15570	

SB = Solvent Borne

WB = Water Borne

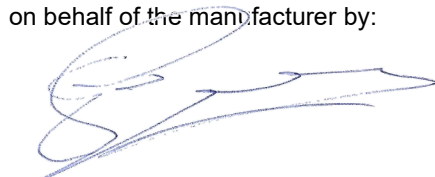
Table 3: Approved Topcoats for Hempacore AQ 48860

Type	Topcoat
Acrylic – SB	Hempatex Hi-build 46410
	Hempatex Enamel 56360
Acrylic - WB	Hemucryl Enamel 58100
Alkyd SB	Hempalin Enamel 52140
	Hempel's Metallic Paint 52410
	Hempaquick Enamel 53840
Polyurethane SB	Hempel's Polyenamel 55102
	Hempathane Topcoat 55210
	Hempathane HS 55610
	Hempathane DTM 55620
	Hempathane fast dry 55750
	Hempathane HS 55810

8) Appropriate Technical Documentation and/or Specific Technical Documentation N/A

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:

A handwritten signature in blue ink, appearing to read "Erik van Schaijk", written over a horizontal line.

Name: Erik van Schaijk
Subject Matter Expert – Passive Fire Protection
Business Technical Expertise – R&D
Hempel A/S
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Date: 12 July 2021