

# DECLARATION OF PERFORMANCE

ACCORDING TO ANNEX III OF THE REGULATION (EU) NO. 305/2011



## SteelMaster 1200HPE

### 1. Product name

SteelMaster 1200HPE

### 2. Product type and batch numbers

Two component solvent free epoxy intumescent coating.  
Batch number as indicated on the packaging.

### 3. Intended use

Fire protection of structural steel 'H' or 'I' section beams and hollow columns (rectangular/square and circular) for a fire resistance period ranging from 15 minutes (R15) up to 120 minutes (R120). 'H' or 'I' section columns for a fire resistance period ranging from 15 minutes (R15) up to 180 minutes (R180). Fire protection of structural steel for design temperatures in the range of 350°C to 750°C.

### 4. Registered manufacturer name

Jotun A/S  
PO Box 2021  
Sandefjord, N-3202  
Norway

### 5. Manufacturing plant

Jotun Paints (Europe) Ltd  
Flixborough, Scunthorpe  
DN15 8RR  
United Kingdom

### 6. Notified body

European Technical Assessment ETA 21/1019 issued by Element Materials Technology Rotterdam B.V. EAD 350402-00-1106 was used as European Assessment Document (EAD). The notified body 2812 performed third party tasks as set out in Annex V under system 1 and issued Certificate of Conformity CE 2812-CPR-GA5053.

### 7. Assessment and verification of constancy of performance (ACVP)

| Product                 | Intended use                      | Levels or Classes | System |
|-------------------------|-----------------------------------|-------------------|--------|
| Fire protective product | Fire protection of steel elements | Any               | 1      |

|                                             |                           |                   |                                                  |                |
|---------------------------------------------|---------------------------|-------------------|--------------------------------------------------|----------------|
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# Declaration of performance

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## 8. Declared performance

| Essential characteristics                              | Assessment of characteristic                                                                                                                                                                                                                                                                                              | Technical document reference                        |
|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| <b>Safety in case of fire</b>                          |                                                                                                                                                                                                                                                                                                                           |                                                     |
| Resistance to fire                                     | R15 to R120: I/H Beams and Hollow columns<br>R15 to R180: I/H Columns<br>Including slow heating curve                                                                                                                                                                                                                     | EN 13501- 2<br>EN 13381-8:2013<br>including annex A |
| Reaction to fire                                       | Class B-s1, d0 without top coat<br>Class C-s1, d0 with top coat (all colours)                                                                                                                                                                                                                                             | EN 13501-1                                          |
| <b>Hygiene, health and environment</b>                 |                                                                                                                                                                                                                                                                                                                           |                                                     |
| Content, emission or release of dangerous substances   | The product formulation has been inventoried for chemical ingredients to 100 ppm and do not contain substances on the REACH authorization list (Annex XIV), restriction list (Annex XVII) and the SVHC candidate list                                                                                                     | Declaration of manufacturer                         |
| Clause 2.2.3.1 SVOC and VOC                            | $R = \sum C_i / LCI_i : 0.2 \text{ mg/m}^3$ after 28 days<br>$R = \sum C_i / LCI_i : <0.01 \text{ mg/m}^3$ after 28 days                                                                                                                                                                                                  | EN 16516:2017/A1:2020<br>EN 16402:2019              |
| <b>General aspects relating to product performance</b> |                                                                                                                                                                                                                                                                                                                           |                                                     |
| Primer compatibility                                   | <b>Steel substrate:</b><br>No primer<br>Two pack Epoxy primer<br>Two pack Waterborne Epoxy primer<br>Zinc rich Epoxy<br><b>Galvanised steel substrate:</b><br>Two pack epoxy primer                                                                                                                                       | EAD 350402-00-1106                                  |
| Top coat compatibility                                 | Hardtop XP, 2k aliphatic acrylic PU<br>Hardtop AX, 2k aliphatic acrylic PU<br>Hardtop Design Glamour, 2k aliphatic acrylic PU<br>Hardtop Design Metallics, 2k aliphatic acrylic PU<br>Hardtop One, 1k polysiloxane<br>Hardtop Pro, 2k polysiloxane<br>Hardtop Optima, 2k polysiloxane<br>Pilot ACR, one component acrylic | EAD 350402-00-1106                                  |
| Environmental conditions                               | Type X, Y, Z1 and Z2 with and without top coat                                                                                                                                                                                                                                                                            | EAD 350402-00-1106                                  |

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| Jotun A/S<br>PO Box 2021<br>N-3202 Sandefjord<br>Norway<br><br>Manufacturing site:<br>Jotun Paints (Europe) Ltd.<br>Flixborough, Scunthorpe, DN15 8RR<br>United Kingdom                             |  |
| SteelMaster 1200HPE                                                                                                                                                                                 |  |
| PFP/DoC2022/003                                                                                                                                                                                     |  |
| EAD 350402-00-1106<br>ETA N° 21/1019<br>Notified body No. 2812                                                                                                                                      |  |
| Use: Reactive coating for Fire Protection of Steel Elements                                                                                                                                         |  |
| Resistance to Fire EN 13501-2:<br>R15 to R180 IncSlow I/H Columns<br>R15 to R120 IncSlow I/H Beams and<br>Circular/Rectangular/Square Hollow Columns<br>Reaction to Fire EN 13501-1: Class B-s1, d0 |  |
| See Declaration of Performance for further details<br>and all relevant characteristics <a href="http://www.jotun.com">www.jotun.com</a>                                                             |  |

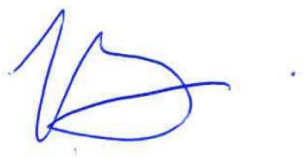
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## 9. Declaration

The performance of the product identified in point 1 is in conformity with the declared performance in point 8. This declaration of performance (DOP) is issued under the sole responsibility of the manufacturer identified in point 5.

Signed for and on behalf of the manufacturer by:



James Irving  
R&D Manager Intumescent Coatings  
Flixborough 15th of March 2022

## Important Information

The information in this document is not intended to be exhaustive; any person using the product for any purpose other than that specifically recommended in this document without first obtaining written confirmation from Jotun as to the suitability of the product for the intended purpose does so at their own risk. All advice given or statements made about the product (whether in this document or otherwise) is correct to the best of our knowledge. However, we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless specifically agreed in writing to do so, Jotun does not accept any liability at all for the performance of the product or for (subject to the maximum extent permitted by law) any loss or damage, direct or indirect, arising out of the use of the product. We hereby disclaim any warranties or representations, expressed or implied, by operation of law or otherwise, including without limitation, any implied warranty of merchantability or fitness for a particular purpose. All products supplied and technical information given is subject to our Conditions of Sale, which can be provided to you by your local Jotun supplier. The information contained in this document is liable to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to check with their local Jotun representative that this document is current prior to using the product.

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