

SteelMaster 90SB / 90SB QD

1. Product name

SteelMaster 90SB / 90SB QD

2. Product type and batch numbers

One component solvent based intumescent coating.
Batch number as indicated on the packaging.

3. Intended use

Fire protection of structural steel 'H' or 'I' section beams and columns for a fire resistance period up to 120 minutes (R120). Hollow columns (rectangular/square and circular) for a fire resistance period up to 90 minutes (R90). Hollow beams (rectangular/square) for a fire resistance period up to 60 minutes (R60), resistance to fire is also available for 75 minutes. 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 24/0096 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-GA10161.

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

DECLARATION OF PERFORMANCE

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



8. Declared performance


Essential characteristics	Assessment of characteristic	Technical document reference
Safety in case of fire		
Resistance to fire	R30 to R120: I/H Beams and Columns R30 to R90: Hollow columns R30 to R60: Hollow beams (additional FR table for 75 minutes)	EN 13501- 2 EN 13381-8:2013
Reaction to fire	Class C-s1, d0 without top coat Class D-s2, d0 with top coat (all colours)	EN 13501-1
Hygiene, health and environment		
Content, emission or release of dangerous substances Clause 2.2.3.1 SVOC and VOC	Please refer to the product safety data sheet for classification in accordance with Regulation (EC) No 1272/2008 (CLP) and information on the candidate list of substances of very high concern. TVOC: 1.2mg/m ³ Σ SVOC: <0.005mg/m ³ After 28 days /28 days pre-conditioning TVOC: 0.62mg/m ³ Σ SVOC: <0.005mg/m ³ After 28 days / 3 days pre-conditioning	EN 16516:2017/A1:2020 EN 16402:2019
General aspects relating to product performance		
Primer compatibility	Steel substrate: Two pack Epoxy primer Two pack Waterborne Epoxy primer Short oil alkyd primer Zinc rich Epoxy Galvanised steel substrate: Two pack epoxy primer	EAD 350402-00-1106
Top coat compatibility	Hardtop XP, 2k aliphatic acrylic PU Hardtop AX, 2k aliphatic acrylic PU Pilot ACR, one component acrylic Conseal TU, one component acrylic Pilot WF SM, one component waterborne acrylic	EAD 350402-00-1106
Environmental conditions	Type Z1 and Z2 without top coat Type X, Y with approved top coat (see ETA)	EAD 350402-00-1106


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SteelMaster 90SB
PFP/DoC2024/001
EAD 350402-00-1106 ETA N° 24/0096 Notified body No. 2812
Use: Reactive coating for Fire Protection of Steel Elements
Resistance to Fire EN 13501-2: R30 to R120 I/H Columns and beams R30 to R90 Hollow Columns R30 to R75 Hollow Beams Reaction to Fire EN 13501-1: Class C-s1, d0
See Declaration of Performance for further details and all relevant characteristics www.jotun.com


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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 19th of April 2024

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 be modified 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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