

SteelMaster 600WF

1. Product name

SteelMaster 600WF

2. Product Type and batch numbers

Water based thin film intumescent coating.
Batch number as indicated on the packaging.

3. Intended use

Fire protection of various sizes of structural steel 'H' or 'I' section beams and columns for a fire resistance period ranging from 15 minutes (R15) up to 90 minutes (R90) and 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 22/0047 issued by UL International (Netherland) B.V., EAD 350402-00-1106 was used as European Assessment Document (EAD). The notified body 2821 performed third party tasks as set out in Annex V under system 1 and issued Certificate of Conformity CE 2821-CPR-0212.

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	R15 to R90 I/H beams and columns Including slow heating curve	EN 13501- 2 EN 13381-8:2013
Reaction to fire	Class B-s1, d0 without top coat. Class B-s1, d0 with top coat (all colours)	EN 13501-1
Hygiene, health and environment		
Content, emission or release of dangerous substances	The product specification has been compared with Annex XVII of REACH and the ECHA Candidate List of Substances of Very High Concern to verify that it does not contain such substances above the acceptable limits.	Declaration of manufacturer
Clause 2.2.3.1 SVOC and VOC	$R = \sum C_i / LCI_i : 0.8 \text{ mg/m}^3$ after 28 days	ISO EN 16516:2017
General aspects relating to product performance		
Primer compatibility	Steel substrate: Two pack epoxy primer Short oil alkyd primer Galvanised steel substrate: Two pack epoxy primer	EAD 350402-00-1106
Top coat compatibility	Compatible with: Hardtop XP, 2k aliphatic acrylic PU Hardtop AX, 2k aliphatic acrylic PU Hardtop ECO, 2k aliphatic acrylic PU Pilot ACR, one component acrylic Pioner, one component acrylic	EAD 350402-00-1106
Environmental conditions	Z1 and Z2 without top coat Z1 and Z2 with Hardtop ECO and Pilot ACR Y, Z1 and Z2 with Hardtop XP, AX and Pioner top coat	EAD 350402-00-1106

Declaration of performance

According to Annex III of the Regulation (EU) No. 305/2011

	
22	
Jotun A/S PO Box 2021 N-3202 Sandefjord Norway Manufacturing site: Jotun Paints (Europe) Ltd. Flixborough, Scunthorpe, DN15 8RR United Kingdom	
SteelMaster 600WF	
PFP/DoC2021/003	
EAD 350402-00-1106 ETA N° 22/0047 Notified body No. 2821	
Use: Reactive coating for Fire Protection of Steel Elements	
Resistance to Fire EN 13501-2: R15 to R90 Reaction to Fire EN 13501-1: Class B-s1, d0	
See Declaration of Performance for further details and all relevant characteristics www.jotun.com	

Declaration of performance

According to Annex III of the Regulation (EU) No. 305/2011



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 29th of September 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.

Unless otherwise specified, or required in the context of its implementation, no part of this document may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission from Jotun.

Document identification: PFP/DoC2021/003	Revision 03 10.05.2022	Doc. Owner R&D	Prepared by: C. Abadie Approved by: J. Irving	Page 4 of 4
---	---------------------------	-------------------	--	----------------