

# H A P A S

## Jotun Paints (Europe) Ltd

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HAPAS Certificate  
**14/H210**  
Product Sheet 99

### SUPPLEMENT TO 'PAINTS FOR CORROSION PROTECTION OF STRUCTURAL STEELWORK IN HIGHWAY APPLICATIONS'

This HAPAS Certificate Product Sheet<sup>(1)</sup> is issued by the British Board of Agrément (BBA), supported by Highways England (HE) (acting on behalf of the Overseeing Organisations of the Department for Transport; Transport Scotland; the Welsh Assembly Government and the Department for Regional Development, Northern Ireland), the Association of Directors of Environment, Economy, Planning and Transport (ADEPT), the Local Government Technical Advisers Group and industry bodies. HAPAS Certificates are normally each subject to a review every three years.  
(1) Hereinafter referred to as 'Certificate'.

#### SHW Series 1900

System - Type	Area	Metal Coating	1st coat	2nd coat	3rd coat	4th coat
Type I			Barrier 80 (Item 109)	Penguard Express B12 (Item 112)	Hardtop XP (Item 168)	
Type I			Barrier 80 (Item 109)	Penguard Express B12 (Item 112)	Hardtop CA (Item 167)	
Type I			Barrier 80 (Item 109)	Penguard Express B12 (Item 112)	Hardtop HB (Item 169)	
Type I			Barrier 80 (Item 109)	Penguard Express B12 (Item 112)	Hardtop Optima (Item 185)	
Type I			Penguard Express B11 (Item 111)	Penguard Express B12 (Item 112)	Hardtop XP (Item 168)	
Type I			Penguard Express B11 (Item 111)	Penguard Express B12 (Item 112)	Hardtop CA (Item 167)	
Type I			Penguard Express B11 (Item 111)	Penguard Express B12 (Item 112)	Hardtop HB (Item 169)	
Type I			Penguard Express B11 (Item 111)	Penguard Express B12 (Item 112)	Hardtop Optima (Item 185)	
Type II			Barrier 80 (Item 109)	Penguard Express B12 (Item 112)	Penguard Express B12 (Item 112)	Hardtop XP (Item 168)
Type II			Barrier 80 (Item 109)	Penguard Express B12 (Item 112)	Penguard Express B12 (Item 112)	Hardtop CA (Item 167)
Type II			Barrier 80 (Item 109)	Penguard Express B12 (Item 112)	Penguard Express B12 (Item 112)	Hardtop HB (Item 169)

The BBA has awarded this Certificate to the company named above for the products described herein. These products have been assessed by the BBA as being fit for their intended use provided they are installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrément

John Albon — Head of Approvals  
Construction Products

Claire Curtis-Thomas  
Chief Executive

Date of Third issue: 5 October 2015

Originally certificated on 17 January 2014

The BBA is a UKAS accredited certification body — Number 113. The schedule of the current scope of accreditation for product certification is available in pdf format via the UKAS link on the BBA website at [www.bbacerts.co.uk](http://www.bbacerts.co.uk)

Readers are advised to check the validity and latest issue number of this Agrément Certificate by either referring to the BBA website or contacting the BBA direct.

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## SHW Series 1900 continued

System - Type	Area	Metal Coating	1st coat	2nd coat	3rd coat	4th coat
Type II			Barrier 80 (Item 109)	Penguard Express B12 (Item 112)	Penguard Express B12 (Item 112)	Hardtop Optima (Item 185)
Type II			Penguard Special B10 (Item 110)	Penguard Pro GF (Item 123)	Hardtop XP (Item 168)	
Type II			Penguard Special B10 (Item 110)	Penguard Pro GF (Item 123)	Hardtop CA (Item 167)	
Type II			Penguard Special B10 (Item 110)	Penguard Pro GF (Item 123)	Hardtop HB (Item 169)	
Type II			Penguard Special B10 (Item 110)	Penguard Pro GF (Item 123)	Hardtop Optima (Item 185)	
Type II			Penguard Special B10 (Item 110)	Penguard Express B12 (Item 112)	Penguard Express B12 (Item 112)	Hardtop XP (Item 168)
Type II			Penguard Special B10 (Item 110)	Penguard Express B12 (Item 112)	Penguard Express B12 (Item 112)	Hardtop CA (Item 167)
Type II			Penguard Special B10 (Item 110)	Penguard Express B12 (Item 112)	Penguard Express B12 (Item 112)	Hardtop HB (Item 169)
Type II			Penguard Special B10 (Item 110)	Penguard Express B12 (Item 112)	Penguard Express B12 (Item 112)	Hardtop Optima (Item 185)
Type II			Penguard Express B11 (Item 111)	Penguard Express B12 (Item 112)	Penguard Express B12 (Item 112)	Hardtop XP (Item 168)
Type II			Penguard Express B11 (Item 111)	Penguard Express B12 (Item 112)	Penguard Express B12 (Item 112)	Hardtop CA (Item 167)
Type II			Penguard Express B11 (Item 111)	Penguard Express B12 (Item 112)	Penguard Express B12 (Item 112)	Hardtop HB (Item 169)
Type II			Penguard Express B11 (Item 111)	Penguard Express B12 (Item 112)	Penguard Express B12 (Item 112)	Hardtop Optima (Item 185)
Type III		Box girders	Barrier 80 (Item 109)	Penguard Express B12 (Item 112)		
Type III	B	Box girders	Penguard Express B11 (Item 111)	Penguard Express B12 (Item 112)		
Type V	A and D	Aluminium Metal Spray	Penguard Special B10 (Item 110)	Penguard Express B11 (Item 111)	Penguard Express B12 (Item 112)	Hardtop XP (Item 168)
Type V	B		Penguard Express B12 (Item 112)			
Type A2a	External	Aluminium Metal Spray	Penguard Special B10 (Item 110)	Penguard Express B12 (Item 112)	Hardtop XP (Item 168)	
Type A2a	External	Aluminium Metal Spray	Penguard Special B10 (Item 110)	Penguard Express B12 (Item 112)	Penguard Express B12 (Item 112)	

## SHW Series 5000

System - Type	Area	Metal Coating	1st coat	2nd coat	3rd coat	4th coat
Type I(M)		Steel	Jotamastic 90 B15 (Item 115)	Jotamastic 90 B16 (Item 116)	Hardtop XP (Item 168)	
Type I(M)			Jotamastic 90 B15 (Item 115)	Jotamastic 90 B16 (Item 116)	Hardtop HB (Item 169)	
Type I(M)		Aluminium Metal Spray, Zinc Metal Spray	Jotamastic 90 B15 (Item 115)	Jotamastic 90 B16 (Item 116)	Hardtop XP (Item 168)	
Type I(M)			Jotamastic 90 B15 (Item 115)	Jotamastic 90 B16 (Item 116)	Hardtop HB (Item 169)	
Type I(M)			Jotamastic 90 B15 (Item 115)	Penguard Express B12 (Item 112)	Hardtop XP (Item 168)	
Type I(M)			Jotamastic 90 B15 (Item 115)	Penguard Express B12 (Item 112)	Hardtop HB (Item 169)	