



**Stahl Gerlafingen**

Stahl Gerlafingen AG  
Postfach  
CH-4563 Gerlafingen  
CHE-105.859.757 MWST  
www.stahl-gerlafingen.com - info@stahl-gerlafingen.com

**Declaration of performance**



0780  
16

0780 - CPD - 52003

1	Identification product code	Steel grade / material no.						
2	Identification of the product	Certificate, delivery note and label						
3	Intended use	Hot-rolled structural steel products for metal building structures or in composite concrete composite structures according to EN 10025-1:2004						
4	Manufacturer	Stahl Gerlafingen AG Postfach CH-4563 Gerlafingen CHE-105.859.757 MWST www.stahl-gerlafingen.com - info@stahl-gerlafingen.com						
5	System to evaluate the performance according to regulation (EU) no 305/2011	System 2+						
6	Notified body	TUV Rheinland Bautechnik GmbH (0780) Tillystrasse 2 D-90431 Nürnberg						
7	Tasks of the notified body	The notified body has performed the initial inspection of factory and factory production control and the continuous surveillance, assessment and approval of factory production control and has issued the certificate 0780-CPD-52003.						
8	Declared performance	Thickness [mm]	S235 JR/J0/J2 ≥ 235	S275 JR/J0/J2 ≥ 275	S235/S275 JR/J0/J2 ≥ 275	S355 JR/J0/J2 ≥ 355	Tolerances on dimensions and shape: Flat bars in accordance with EN 10058, wide flat bars in accordance with DIN 59200 and angles in accordance with EN 10056-1 and tolerances in accordance with EN 10056-2*  European wide flange beams HEB/IPB and HEA/IPB in accordance with DIN 1025-2 and -3 and tolerances in accordance with EN 10034  European beams IPE in accordance with DIN 1025-5 and tolerances in accordance with EN 10034  European taper flange channels UPN in accordance with DIN 1026-1 and tolerances in accordance with EN 10279	
	Yield strength $R_{eH}$ [MPa]	≤ 16	≥ 225	≥ 275	≥ 275	≥ 355		
	Tensile strength $R_m$ [MPa]	>16 / ≤ 40	≥ 225	≥ 265	≥ 265	≥ 345		
	Elongation $A_{5.65}$ [%]	≥ 3 / ≤ 100	≥ 360 / ≤ 510	≥ 410 / ≤ 560	≥ 410 / ≤ 510	≥ 470 / ≤ 630		
	Impact strength [J]	≥ 3 / ≤ 40	≥ 26	≥ 23	≥ 26	≥ 22		
	Weldability CEV [%]	≤ 150	≥ 27	≥ 27	≥ 27	≥ 27		
	Suitable for zinc coating	≤ 30	≤ 0.35	≤ 0.40	≤ 0.35	≤ 0.45		
	Durability	>30 / ≤ 40	≤ 0.35	≤ 0.40	≤ 0.35	≤ 0.47		
	No performance determined							
	Non-radioactivity is controlled.							
Regulated material: No performance determined.								
Electric arc furnace (>95% recycling content). Environmental product declaration ICQM - 14011EPD.								

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of Stahl Gerlafingen AG by:

*Daniel Aebli*  
Daniel Aebli  
Chief Operating Officer

*Dr. Christoph Zeltner*  
Dr. Christoph Zeltner  
Head of Quality and Environment