

# TÜV NORD Systems GmbH & Co. KG



Notified Body for Pressure Equipment Directive (PED), Reg. No. 0045  
 Scope of approval for material manufacturer acc. to Pressure Equipment Directive 2014/68/EU,  
 annex I, pt. 4.3 and AD 2000-Merkblatt W0 / AD2000-Guidelines W0

**Annex to Certificate**  
 Firm: VÍTKOVICE STEEL, a.s. DGRL-Nr.: 07-202-9190 WZ 0759/16 Date : 19.9.2016  
 Place: Štramberská ul., 709 00 Ostrava, CZ AD 2000-W0-Nr.: 07-202-9190 WP 0759/16 TÜV-File: 4316335/16  
 SAP 9190 WZ-0759/16



Item No.	Material Designation Material number	Material Specification	Delivery Condition	Article Type of product	Dim. [mm]		Width [mm]		Techn. Specification Requirements	Remarks
					Thickness					
	2	3	4	5	6	7	8	9		Doc.: STW-ZE-AD2000 W0_PED_Geltungsbereich-FB-320_ eng Rev 01/07.16
1	S235 JR/J2 S275 JR/J2 S355 J2/K2	EN 10025-2	N, AR1)	Hot rolled plates	5	100	1000	3300	AD2000-W1	Directive 2014/68/EU all Items No. 1 to 5  Certified acc. to PED annex I, sec. 4.3 by the Notified Body of TÜV NORD Systems (Reg. no. 0045). 1) for thickness up to 25 mm
2	P235GH, P265GH	EN 10028-2	N	Hot rolled plates	5	100	1000	3300	AD2000-W1	IC 3.1
	P295GH, P355GH, 16Mo3									IC 3.2 ( IC 3.1 for th. ≤ 30mm )
	13CrMo4-5, 10CrMo9-10		IC 3.2							
	12CrMo9-10		for AD2000-W1 and WBI. 404/1 IC 3.2 -Individual judgement only							
	15NiCuMoNb5-6-4	NT							for AD2000-W1 and WBI.377/1 IC 3.2 -Individual judgement only	
3	13CrMoSi5-5, 18MnMo4-5	EN 10028-2	NT,NQ	Hot rolled plates	5	100	1000	3300		IC 3.1
4	P275NH	EN 10028-3	N	Hot rolled plates	5	80 <sup>2)</sup>	1000	3300	AD2000-W1+WBI.352/1	IC 3.1
	P275NL1/NL2								AD2000-W1,W10+WBI.352/1	IC 3.2
	P355N/NH								AD2000-W1+WBI.354/1	IC 3.2 (for th.≤30 mm IC 3.1)
	P355NL1/NL2								AD2000-W1,W10+WBI.354/1	IC 3.2
	P460NH		N,NT <sup>3)</sup>			5			25 <sup>2)</sup>	AD2000-W1+WBI.357/1

Explanation: +AT / AT = solution heat treated and deterrred; N = Normalized or normalizing rolled / forming;  
 NT = normalized and tempered; +QT / V = quenched and tempered; M = thermo mechanical treated  
 AR = without annealing; SR = stress relieved; A = soft annealed; CR = cold rolled  
 Hints for materials use acc. to Directive 2014/68/EU : The specific material operation conditions have to be approved by pressure equipment manufacturer and by the notified body in charge

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					Thickness					
1	2	3	4	5	6	7	8	9		
4	P460NL1, NL2	EN 10028-3	N,NT <sup>3)</sup>	Hot rolled plates	5	100	1000	3300		for AD2000W1 and WBI. 357/1 IC 3.2 Individual judgement
	P460/630EVS, P460/630L EVS				7	16			AD2000W1,W10+WBI.531	IC 3.2
										<sup>2)</sup> for AD2000-W1 over these thicknesses IC 3.2- Individual judgements only, for PED up to thickness 100 mm - IC 3.2 <sup>3)</sup> for AD2000-W1 and WBI. 357/1 +N only
5	P355M/ ML1/ ML2 P420M/ ML1/ ML2 P460M/ ML1/ ML2	EN 10028-5	M	Hot rolled plates	5	40	1000	3300		for AD2000-W1 IC 3.2 Individual judgement
6	P235S, P265S, P275S	EN 10207	N	Hot rolled plates	5	60	1000	3300	AD2000-W1, Directive 87/404/EC	Input material for simple pressure vessels
										Note: a) AD2000-Merkblatt W1, section 3.3. If it's not explicit required in the order, tensile tests by higher temperatures are not necessary.
7	S235, S275, S355 (JR/J0/J2/K2) S275, S355 (N, NL) S235, S355 (J0W, J2W)	EN 10025-2 EN 10025-3 EN 10025-5	AR, N N AR, N	Hot rolled plates Hot rolled plates Hot rolled plates	5	100	1000	3300	Regulation 305/2011/EU CE-Mark	Certifies for constructions products with CE- Marking" according to annex ZA of EN 10025, EN 10343. Details of the certification are published in the certificate of the Certification Body CPR of TÜV NORD Systems.

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