

Inspection certificate EN 10 204 - 3.1		A02 Issuing department Quality inspection		A05 Purchaser order no 1605		A07		A08 Our order no 177851-10		A19 Invoice no		A03 Certificate no and date 16509584 2017-04-02		SSAB EMEA AB, SE-613 80 OXELÖSUND, Sweden A01	
Purchaser A11 SSAB SWEDISH STEEL COMERCIO DE ACO RUA CELIO JOSE FRANCESCHI, 73 83707-748 CHAPADA-ARAUCARIA Parana Brazil				Product B01 Abrasion resistant steel plate		Marking (Stamping) Steel grade, Manufacturer, MATERIAL ID		B06 Customer marks 8838		B15 B16		B16 Internal code 21529		B07	
Quantity B08 1		Dimensions [mm] T 76,2 W 1700 L 6000		Weight [kg] 6102		B12 Deliv. Cond. Q		B04 Internal code 21529		B16 Internal code 21529		B02		B07	
Consignee SSAB Swedish Steel Ltda Rua Celio Jose Franceschi 73 - Chapada 83.707-748 ARAUCARIA Brazil				A06 Standard/rules OX HARDOX 450 Steel grade HARDOX 450		B02		B07		B07		B07		B07	
MATERIAL ID 120692-214291															

Chemical composition												C71-C92		Carbon equivalent etc		C93-C99	
Heat no	C	Si	Mn	P	S	Cr	Ni	Mo	B	EW	C14						
120692	.19	.25	.98	.010	.001	1.19	.69	.349	.001	.71	.402						
														CEV (EW) = C + Mn/6 + (Cr+Mo+V)/5 + (Ni+Cu)/15		C93-C99	
														C14 = CET = C + (Mn+Mo)/10 + (Cr+Cu)/20 + Ni/40			

Testtype	C04	Millcode	C00	Specimen position	C01	Direction	C02	Treat-ment	B05	Specimen type	C10	Temp [degr C]	C03	Test results
Hardness test (HBW)	874555	Top end						Delivery condition						C32 Ave 462

CORACORTHE COM. FERRO E AÇO LTDA

RASTREABILIDADE	
FORNECEDOR: CORACORTHE	
NF. Nº	
CLIENTE:	
OP. Nº:	

CH 15700

	This certificate is produced with EDP and valid without signature		Z02	Z01		A04
	Quality Inspection Department/ R Tschernernjack / A Backlund		It is hereby certified that the material described above complies with the requirements of the order.		A22	HARDOX® WEAR PLATE www.hardox.com