

# QUALITA' LAMIERE DA TRENO

Grado	Impieghi	NORMA
S275JR - JO - J2	Per impieghi generici	EN10025-2
S355JR - JO - J2	Per impieghi generici	EN10025-2
C45	Da bonifica	EN10083-2
S355J0WP	CORTEN - Anti Corrosione Atmosferica	EN10025-2

## LAMIERE ANTIUSURA

GRADO	Durezza HBW	Stato di fornitura	Resistenza allo snervamento minima RE (Mpa)	Resistenza alla trazione Rm (Mpa)	Allungamento Minimo A5(%)	Resilienza Su provini Charpy V
400	360-440	Bonificato	1000	1300	12	-20 °C 30J
450	420-477	Bonificato	1100	1450	10	-20 °C 30J
500	460-540	Bonificato	1300	1650	8	-20 °C 30J

PIEGATURA						
GRADO	Spessore	R / t		W / t		Ritorno elastico
		Trasversale	Longitudinale	Trasversale	Longitudinale	
400	$8 \geq t < 20$ $t \geq 20$	3,0 4,5	4,0 5,0	10,0 12,0	10,0 12,0	9 - 13
450	$8 \geq t < 20$ $t \geq 20$	4,0 5,0	5,0 6,0	10,0 12,0	12,0 14,0	11 - 18
500	$8 \geq t < 20$ $t \geq 20$	5,0 7,0	6,0 8,0	12,0 16,0	14,0 18,0	12 - 20

## LAMIERE NERE UNI EN 10025

spessore mm	peso kg/m <sup>2</sup>	1000	1250	1500	1500	1800	2000
		x 2000	x 2500	x 3000	x 6000	x 6000	x 6000
peso in kg							
1.5	11.8	23.6	36.7	53			
1.8	14.1	28.2	44.2	64			
2	15.7	31.4	49	71			
2.5	19.6	39.3	61	88	176.4		
3	23.6	47.1	73	106	212.4	254.8	280
3.5	27.5	55	85.9	123.6	247.3		329.7
4	31.4	62.8	98	141	282.6	339.12	376.8
5	39.2	78.5	123	176	352.8	423.3	472
6	47.1	94.2	147	212	423.9	508.6	566
7	55	110	172	247	495	594	660
8	62.8	126	196	282	565.2	678.2	754
9	70.6	141	221	318	635.4	762.4	848
10	78.5	157	245	353	706.5	847.8	942
12	94.2	188	294	424			1131
15	117.8	236	368	530			1416