

Delivery conditions

Although AMLoCor is not included in EN 10248, related piling products are compliant with main requirements from EN 10248-1 with exception of §7.3, §7.5, §10.

Steel sheet piles in AMLoCor steel grade can be delivered with dimensional tolerances according to EN 10248-2.

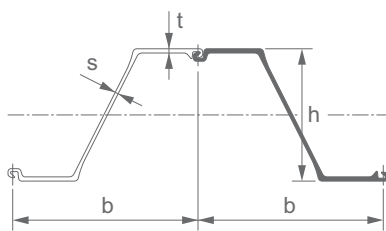
A certification 3.2 according to EN 10204 is available on request.

Mechanical properties and chemical composition

AMLoCor	Min yield strength	Min tensile strength	Min elongation	Chemical composition							
	R_{eH} MPa	R_m MPa	$L_o = 5.65 \sqrt{S_o}$ %	(weight % max)							
				C	Mn	Si	P	S	N	Cr	Al
Blue 320	320	440	23	0.27	1.70	0.60	0.05	0.05	0.011	1.50	0.65
Blue 355	355	480	22	0.27	1.70	0.60	0.05	0.05	0.011	1.50	0.65
Blue 390	390	490	20	0.27	1.70	0.60	0.05	0.05	0.011	1.50	0.65

The minimum yield strength R_{eH} guaranteed depends on the section. Following table shows the combination of sheet pile section / steel grade currently available (December 2011).

Please look for the latest updated document on our website under the link www.arcelormittal.com/sheetpiling or contact our technical department.



Section	b	h	t	s	G	$W_{y,el}$	Blue 320	Blue 355	Blue 390
	mm	mm	mm	mm	kg/m ²	cm ³ /m			
AZ 26-700	700	460	12.2	12.2	147	2 600	✓	✓	✓
AZ 28-700	700	461	13.2	13.2	157	2 760	✓	✓	✗
AZ 38-700N	700	500	16.0	12.2	181	3 795	✓	✗	✗
AZ 40-700N	700	501	17.0	13.2	192	3 995	✓	✗	✗
AZ 44-700N	700	500	19.0	15.0	214	4 405	✓	✗	✗
AZ 46-700N	700	501	20.0	16.0	225	4 605	✓	✗	✗
AZ 26	630	427	13.0	12.2	155	2 600	✓	✓	✓
AZ 28	630	428	14.0	13.2	166	2 755	✓	✓	✗

b width
h height

t thickness flange
s thickness web

G mass per m of wall
 $W_{y,el}$ elastic section modulus