



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.

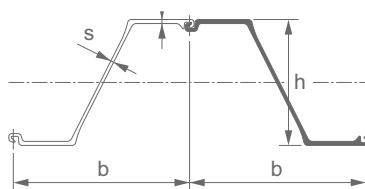
Remark: A selection of AMLoCor grades is approved by the Deutsches Institut für Bautechnik (DIBt) in the frame of the German General Technical Approval Z-30.10-55 «Spundwandprodukte aus AMLoCor Blue».

Mechanical properties and chemical composition

AMLoCor	Min. yield strength R_{eH} MPa	Min. tensile strength R_m MPa	Min. elongation $L_o = 5.65 \sqrt{S_o}$ %	Chemical composition (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	0.75	0.40
Blue 355	355	480	22	0.27	1.70	0.60	0.05	0.05	0.011	0.75	0.40
Blue 390	390	490	20	0.27	1.70	0.60	0.05	0.05	0.011	0.75	0.40

The minimum yield strength R_{eH} guaranteed depends on the section. Following table shows the combination of sheet pile section / steel grade currently available (June 2016). In addition, the corner section C9 is available in steel grade AMLoCor as well.

Please look for the latest updated document on our website under the link: sheetpiling.arcelormittal.com 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 20-800	800	450	9.5	9.5	111	2000	✓	✓	✓
AZ 19-700	700	421	9.5	9.5	114	1870	✓	✓	✓
AZ 20-700	700	421	10.0	10.0	119	1945	✓	✓	✓
AZ 26-700	700	460	12.2	12.2	147	2600	✓	✓	✓
AZ 28-700	700	461	13.2	13.2	157	2760	✓	✓	✓
AZ 38-700N	700	500	16.0	12.2	181	3795	✓	✓	✗
AZ 40-700N	700	501	17.0	13.2	192	3995	✓	✓	✗
AZ 44-700N	700	500	19.0	15.0	214	4405	✓	✓	✗
AZ 46-700N	700	501	20.0	16.0	225	4605	✓	✓	✗
AZ 26	630	427	13.0	12.2	155	2600	✓	✓	✓

b = width t = thickness G = mass per m of wall ✓ = available
 h = height s = thickness $W_{y,el}$ = elastic section modulus ✗ = currently unavailable