

TESTING OF SHEET PILE

Customer : Sheet Pile Europe
Ampèreweg 5, 3752 LR Bunschoten

Order no. customer :

Concerns : Sheet pile, WRZ-18 Certificate no. : MKW 09-1435E
Material : MDB350 Order no. : OMKW 9733
Wall thickness : Nominal (t = 8 mm) Amsterdam : 2009-09-04

PURPOSE

The purpose is to demonstrate the minimum equivalence of the steelquality MDB350 concerning to S355J0C.

CODE: NEN-EN 10249, ASTM A572, CUSTOMER

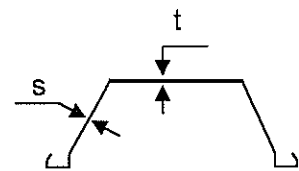
RESULTS OF THE TESTS

TENSILE TEST EN		[Longitudinal]		[Test temperature ° C: ambient]	
Specimen no.	Dimensions [mm]	Cross section [mm ²]	ReH [MPa]	Rm [MPa]	A5 [%]
F1435	25,04x7,95	198.8	408	512	31,0
Requirements			min. 355	490-630	min. 22
NEN-EN 10249 for S355J0C					
Requirements			min. 380	min. 485	min. 20
ASTM A572 for Grade 55					

CHEMICAL COMPOSITION		[OES, N; ICP-OES]				[WT %]		
Specimen no.	C	Si	Mn	P	S	N	Al	
F1435	0,12	0,18	0,77	0,009	0,006	0,002	0,05	
Requirements		max.	max.	max.	max.	max.	-	
NEN-EN 10249 for S355J0C		0,23	0,60	1,70	0,050	0,050	0,011	
Requirements		max.	max.	max.	max.	-	-	
ASTM A572 for Grade 55		0,25	0,40	1,35	0,040	0,050		

Remark: The results are an average of at least 3 measurements

THICKNESS MEASURING		[Testtemperature ° C: Ambient]	
Specimen no.	Front side [s] [mm]	Sloth side [t] [mm]	
F1435	8,01-7,98-8,09-8,09- 8,05	8,14-8,15-8,16-8,13- 8,16	
Tolerance	± 0,5 = 7,50-8,50	± 0,5 1) = 7,50-8,50 1)	



1) Sloth side [s] can also be positive at choice of the manufacturer. Unknown.

CONCLUSIONS/ REMARKS

The mechanical properties and the chemical analysis meet the specified requirements according NEN-EN 10249 for S355J0C and ASTM A572 Grade 55.

Stork FDO Inoteq B.V., Testhouse Department

Verified: W.H. Mooij

Authorised: E. de Rijcke

