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Customer: VR Access Solutions Limited, 1 Swan Courtyard, Charles Edward Road, Birmingham, B26 1BU

Element Materials Technology (Sheffield) were asked by VR Access Solutions Limited to perform the analysis reported below:

Material Information 01/04/2016 Test Date: Description of Sample: 6.0M Galvanised Steel Ladder Material Specification: Not Given

Introduction

Tested in accordance with: BS EN 131-2: 2010 + A1: 2012

The following report details tests applied to one Galvanised Steel Ladder (6.0m length) tested in accordance with relevant clauses of BSEN 131-2: 2010 + A1: 2012.

Poculto

	Sectio	n 5.2 Strength Test of Stiles	
Pre .oad	Test Load	Deflection Measurement taken after 1 minute (mm) fmax = 0.001 x I	Pass / Fail
0N	1100N	2mm	Pass
	Sectio	n 5.3 Bending Test of Stiles	
Pre .oad	Test Load	Deflection Measurement taken after 1 minute (mm) fmax = 0.043 x I -	Pass / Fail
		90mm	
00N	750N	90mm 105mm	Pass
	750N		
ecti re pad	750N on 5.4 Test	105mm Lateral Deflection Test of La	adder Pass /
Pre oad	750N On 5.4 Test Load 250N	105mm Lateral Deflection Test of La Deflection Measurement taken after 1 minute (mm) fmax = 0.005 x l	Pass / Fail
Pre oad	750N On 5.4 Test Load 250N	105mm Lateral Deflection Test of La Deflection Measurement taken after 1 minute (mm) fmax = 0.005 x l	Pass / Fail
Pre oad 00N	750N On 5.4 Test Load 250N Section Test	105mm Lateral Deflection Test of La Deflection Measurement taken after 1 minute (mm) fmax = 0.005 x 1 8mm 1 5.5 Bottom Stile Ends Test Deflection Measurement taken after	Pass / Fail Pass

Se	ction 5	5.6.2 Vertical L	oad on Rung.					
Pre Load	Test Load	Deflection Measurement taken after 1 minute (mm)	Deflection (%) Max 0.5%	Pass / Fail				
200N	2600N	0mm	0.00%	Pass				
S	ection	5.7 Torsion T	est on Rung					
Pre Load	Test Load	Deflection Measurement (°) Max 1°		Pass / Fail				
N/A	50Nm	Zero		Pass				
Section 5.11.1 Feet Pull Test								
		Separation Measurement (mm) Max 4mm						
Pre Load	Test Load			Pass / Fail				
Pre Load N/A		4n						
N/A	Load 150N	4n	nm ero	Fail Pass				
N/A	Load 150N	Ze 5 Torsion on	nm ero	Fail Pass				
N/A Sec	150N tion 5.1	Ze 5 Torsion on Test Deflection	nm Pro Ladder Lengt Measurement (°)	Pass th				

Conclusion: From the results above the ladder has Passed the requirements of BS EN 131-2: 2010 + A1: 2012

Issue Date: 22 April 2016

Authorised Signatory Signature: Name: Ben Bullen Manager Mechanical Testing

NB: All tests marked with a $\ ^*$ are not on our UKAS schedule of accreditation