



ETL SEMKO

Test: **Shear Bond**
 Date Tested: August 22, 2003
 Client: Rocky Mountain Stone
 Project No: 3041212
 Product: Manufactured concrete stone (Non-scratched back)
 Test Method: CCMC MasterFormat Number: 07483, section 6.5.4 (2001)
 Cladding Systems Using Adhered Manufactured Concrete Stone
 Conditioning: July 23, 2003 - Commenced damp cure for 7 days at 23 ± 2°C
 July 30, 2003 - 21 days at 23 ± 2°C and 50 ± 5% relative humidity
 Crosshead Speed: 0.02 inches/min (Dial at 1.3)
 Shear plate: Tested without shear plate
 Equipment: Tinius Olsen, 60K pressure transducer ITS ID 9-0432
 Mitutoyo Digital Calipers SN 98865 ITS ID 52650

Sample	Width	Height	Max Load	Max Load	Failure Interface	Shear Bond Strength (MPa)
	(mm)	(mm)	(lbf)	(kN)		
1	100	100	1287	5.72	plywood/lath	0.57
2	100	99	1122	4.99	plywood/lath	0.50

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Sample	Width	Height	Max Load	Max Load	Failure Interface	Shear Bond Strength (MPa)
	(mm)	(mm)	(lbf)	(kN)		
1	100	101	2119	9.43	stone/mortar	0.94
2	100	100	2730	12.14	stone/mortar	1.21
3	100	100	1957	8.71	plywood/lath	0.87
4	101	100	2801	12.46	stone/mortar	1.24
5	100	100	2345	10.43	stone/mortar	1.04
6	100	99	3021	13.44	stone/mortar	1.35
7	100	100	1654	7.36	stone/mortar	0.74
8	100	101	2070	9.21	stone/mortar	0.91

Mean Result	1.04 MPa
Coefficient of Variation	20.5 %
CCMC 07483 (minimum)	0.35 MPa