



Shear Bond

Date 3/20/2003
 Test Method CCMC MasterFormat Number: 07483, section 6.5.4 (2001) Cladding Systems
 Using Adhered Manufactured Concrete Stone
 Conditioning Damp cure for 7 days, then 21 days at 23 +/-2 degrees C, and 50 +/-5%
 relative humidity
 Crosshead Speed 0.02 in/min (Dial @ 1.3)
 Equipment Tinius Olsen, 10K pressure transducer ITS ID 9-0432
 Mitutoyo Digital Calipers SN 98865 ITS ID 52650

Sample	Width (mm)	Height (mm)	Max Load		Failure Interface	Shear Bond Strength (Mpa)
			(lbf)	(kN)		
1	103	102	780	3.47	plywood/lath	0.33
2	101	99	653	2.90	plywood/lath	0.29
1	102	101	1562	6.95	stone/mortar	0.67
2	101	102	2153	9.58	stone/mortar	0.93
3	102	101	1008	4.48	stone/mortar	0.44
4	102	102	2595	11.54	stone/mortar	1.11
5	101	103	2044	9.09	stone/mortar	0.87
6	103	102	1765	7.85	stone/mortar	0.75
7	101	101	1007	4.48	stone/mortar	0.44
8	101	101	1177	5.24	stone/mortar	0.51
9	98	101	947	4.21	stone/mortar	0.43
10	101	101	3747	16.67	stone/mortar	1.63
Mean Result						0.78
Coefficient of Variation						49.1%
CCMC 07483 (minimum)						0.35 Mpa

