



Subject: Comparative 180° peel strength of moisture cured urethane adhesive.

Procedure: Bond impregnated cotton duck to substrates using 16g/ft² of adhesive and 0.8 g/ft² of water. Substrates pressed in vacuum bag @ 4 – 6 in Hg for 3 hours and then allowed to cure for 3 days before testing. Substrates pulled in a Tinius Olsen testing machine using separation rate of 2 inches per minute.

<u>Adhesive</u>	<u>Substrate</u>	<u>Peel Strength (piw)</u>	<u>Average</u>
Sticky Ass Glue	Aluminum	6, 7	8
	Steel	11, 12	12
	Fiberglass	25(*), 25 (*)	25
	ABS	8, 9	9
	High Pressure Laminate such as Formica from the Formica Corporation	16, 16	16
	Plywood	17 (*), 22(*)	20
	Gorilla Glue	Aluminum	6, 7
	Steel	6, 5	6
	Fiberglass	16 (*), 15 (*)	16
	ABS	8, 7	8
	High Pressure Laminate such as Formica from the Formica Corporation	12, 14	13
	Plywood	13(*), 14 (*)	14
Sumo Glue (Loctite)	Aluminum	1, 1	1
	Steel	5,4	5
	Fiberglass	25 (*), 23(*)	24
	ABS	15, 16	16
	Plywood	nt	--

* cohesive failure
nt not tested