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Test report

Project name	:	Tatprof project
Project number	:	RK2010011
Type of test	:	Adhesion
Date	:	10-Mar-10
Tested by	:	Ricardo Koens

Summary:

Mr. Smirnov has sent some aluminum samples (50346, 8936) of Tatprof to be tested with and without primer on adhesion with SSG4000E and SSG4400.

SSG4000E and SSG4400 on aluminum substrates 8936 and 50346 show perfect adhesion during all test conditions without using a primer.

Purpose of testing:

Mr. Smirnov has sent some aluminum samples (50346, 8936) of Tatprof to be tested with and without primer on adhesion with SSG4000E and SSG4400.

Substrate information:

Substrate	Type	Cleaning product
Aluminum	8936	MEK
Aluminum	50346	MEK

Test(s):

Prepare peel adhesion samples with SSG4000E and SSG4400. They will be tested with and without primer SS4004P.

Test conditions:

Initial : 14 days room temperature cure (23 ± 2 °C, 50 ± 5% RH)
Water immersion : 14 days initial + 7 days H₂O
Oven 100 °C : 14 days initial + 7 days H₂O + 7 days 100°C

Results:

Adhesion results on Aluminum substrates

Substrate Aluminum	Grade	Primer	Initial CF (%)	Water immersion CF (%)	Oven 100 °C CF (%)
8936	SSG4400	none	100	100	100
		SS4004P	100	100	100
	SSG4000E	none	100	100	100
		SS4004P	100	100	100
50346	SSG4400	none	100	100	100
		SS4004P	100	100	100
	SSG4000E	none	100	100	100
		SS4004P	100	100	100

Conclusion:

SSG4000E and SSG4400 on aluminum substrates 8936 and 50346 show perfect adhesion during all test conditions without using a primer.

Approved by: R. Koenis

Date: 10-Mar-10

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