

Date prepared: November 14, 2010
CORRPRO Job # none issued
Prepared by: J. L. LaRive NACE 824



SPECIALTY TESTING REPORT

Company: Chevron USA, (Mark Broussard)
Location: Test plates surface preparation by TFT-Pneumatic, LLC at Broussard, La.
Contact: Mr. Hector Maggi with TFT-Pneumatic PH. # 713-686-9400,
Paint contractor: New Century Fab. New Iberia, La. Contact David Dupuis or Lewis Touchet PH # 337-365-9408.

Type of test: ASTM D-4541 Standard test method for pull-off strength of coatings.
Equipment: Elcometer 108 hydraulic adhesion SR# HB0008
Type glue: Huntsman Araldite 2011A & 2011B, Resin B# AK6AA5028A, Hardener B# AJ6002803H
DFT readings taken with Positest type 1 magnetic gauge SR# 49250.

SURFACE PREPARATION

Test plates 1 Right angle grinder, obtained surface profile of 2 mils, SP-10 appearance (10-29-10)
Test plates 2 Rough boy file, obtained surface profile of .9 mils, SP-10 appearance (10-29-10)
Plates after surface preparation checked with Positester, 0-BMR

Company specifications, coat to Chevron chapter 5 system 7.2

MATERIALS: Carboline

Primer: Carboline organic zinc 859, 3 to 4 mils	Applied 10-29-10
Intermediate: Carboline epoxy 893 (buff) 4 to 6 mils	Applied 10-30-10
Top coat: Carboline 134 urethane (gray) 2 to 3 mils	Applied 11-01-10

Primer 859 batch #: base 10ED9764L, cure 10GD1545, no thinner used.

Intermediate 893 batch #: base 10CD90210L, cure 10FD1314L, thinner 8% of #33, no batch number noted on report.

Top coat 134 batch # 10HD09556L, cure 10HD6815D, thinner 6% of #25, no batch number noted on report.

INSPECTION OF PLATE June 18, 2008

Appearance of coating, some minor rain drops on both top coats due to rain shower, moved inside when started.
Total DFT: Readings taken by J. L. LaRive on Nov. 7, 2010, Test plate 1 average 13.75, Test plate 2 average 14.25

DOLLY'S SET ON 11-7-10 @ 3 PM, Temperature: Ambient 71', humidity 60% dew point 56' structure 69'.

ADHESION TEST RESULTS

DOLLY'S PULLED 11-8-10 @ 1 PM Temperature: Ambient 70', humidity 64% dew point 57' structure 68'.
Dolly #1 pulled 11-8-10 adhesive break @ 1,550 lbs., 89% @ intermediate, 3% @ primer, 8% @ glue.
Dolly #2 pulled 11-8-10 adhesive break @ 1,600 lbs. 85% @ intermediate, 15% @ primer.

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Sheet 2 of 4

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000 Elcometer M-108 SR# HB0008



002 ALMET tools



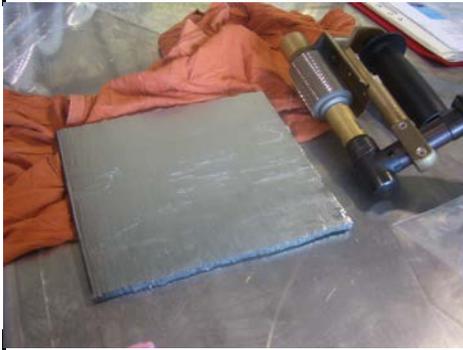
004 Right angle grinder, test plate 1



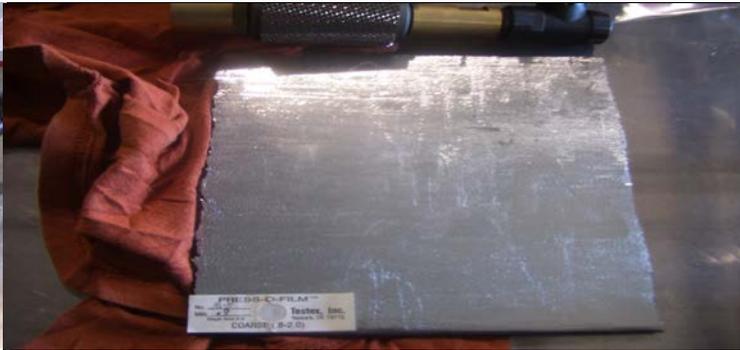
005 Test plate 1 profile 2 mils, right angle grinder

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Sheet 3 of 4



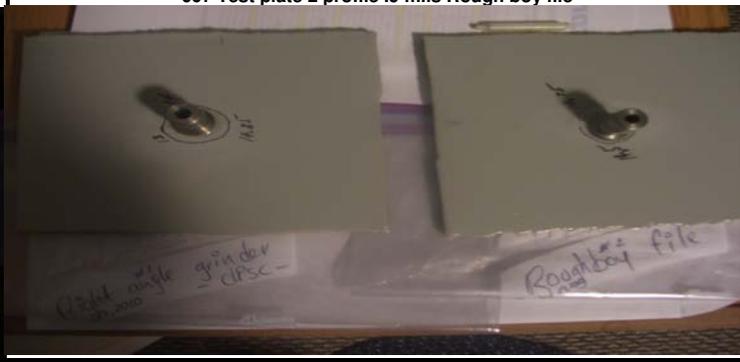
006 Rough Boy file test plate 2



007 Test plate 2 profile .9 mils Rough boy file



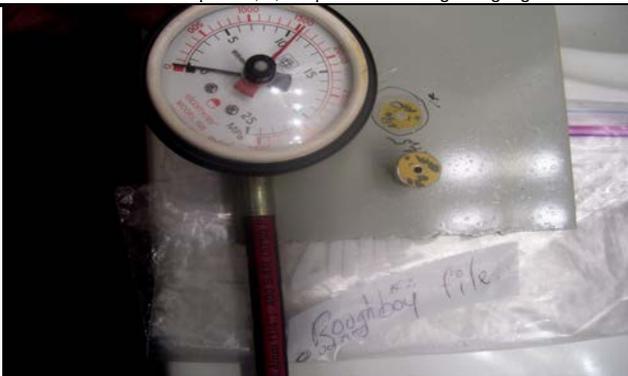
015 Plates 1 & 2 DFT readings



016 Glue dolly's at 3:30 PM 11-07-10



017 Test plate 1, 1,550 psi 11-08-10 Right angle grinder



018 Test plate 2, 1,600 psi 11-08-10 Rough boy file