

Test Report  
 Date: 05/24/2019  
 Time: 10:00 AM  
 Location: Houston, TX  
 Operator: John Benito



**Test Certificate**

**Test/Use Technology, LLC**  
 11213 Jones Road West, Suite 81  
 Houston, TX 77067 USA  
 Phone: 832-217-4400  
 Fax: 832-217-4414  
 Email: John.Benito@testuse.com

**REF No:** 001998 Issue 1  
**Ord No:** Propy

**Test Used:** 05-18-2018  
**Date Reported:** 05-24-2019

**Item:** 3 steel samples with a black coating on 1 side for Surface Roughness (Profile) measurement.

**Specification:** Client Requirement Using a Portable Profilometer.

Mr. John Benito of Test/Use Technology, LLC submitted three (3) steel plates coated with black paint on 1 side for the purpose of measuring the Surface Roughness (Profile) of the painted surface. The measurements were taken on the 3 samples in 2 directions parallel to and perpendicular to the long direction in random locations on the surface.

All tests were carried out at room temperature (73 +/- 2°F). Test results are presented in table form on the following pages.

This report has been assembled to record the results of this testing of the above-mentioned material.

Should you have any questions or concerns please contact the undersigned at (281) 848-6270 or by email at [john.benito@testuse.com](mailto:john.benito@testuse.com) or your convenience.

Sincerely,  
  
 John Benito  
 Coatings Lab Supervisor  
 For and on behalf of Test/Use, LLC.

The information on this report was obtained from the test results of the material shown. The information on this report is not to be used for any other purpose without the written consent of Test/Use Technology, LLC.

**Test Results**

**Materials Supplied and Tested:**  
 Three (3) 3"x6"x1/8" steel samples with a black coating on 1 side

**Instrument Used and conditions:**

Instrument	Taylor Hobson Precision
Model #	1499
Model #	Surtronic 31
Serial #	01-06-1861
U	14.476
R1	2.5%

4 mm traverse (Evaluation Length)  
 Ra/RSm Values reported in µm

**Surface Roughness (Profile) Measurements Results**

**Table 1. Surface roughness (profile) measurements on black paint. Ra/RSm Values in µm.**

Sample #	Ra=6.0 µm	Point 1	Point 2	Point 3	Point 4	Point 5	Average
Standard	Ra	6.27	5.98	6.28	6.09	6.18	6.18
	RSm	132	132	133	133	133	131

  

Sample #	Point 1	Point 2	Point 3	Point 4	Point 5	Average	
101898-1	Ra	2.28	2.48	2.82	1.88	1.98	2.12
	RSm	61	64	59	64	66	62

  

Sample #	Point 1	Point 2	Point 3	Point 4	Point 5	Average	
101898-2	Ra	2.28	2.82	2.24	2.30	2.26	2.28
	RSm	61	69	77	52	59	62

  

Sample #	Point 1	Point 2	Point 3	Point 4	Point 5	Average	
101898-3	Ra	1.86	2.26	1.94	2.08	1.90	1.95
	RSm	62	72	68	51	53	61

Ra = Arithmetic mean of the absolute departures of the roughness profile from the mean line.  
 RSm = The mean spacing between profile peaks at the mean line, measured within the sampling length.

