

TEST REPORT

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Your Ref.: Application dated 14/02/2023

Our Ref.: BP-8500250372/SL

Date: 15/03/2023

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Subject : Testing of S/S PVD Colour Samples with Anti-Fingerprint Coating submitted by Polaris Archimetal Pte Ltd on 14/02/2023.

Tested For : **Polaris Archimetal Pte Ltd**
7 Soon Lee Street
#04-49
Singapore 627608
Attn: Mr Henry Goh

Method of Test : Wet Abrasion Resistance : Adopted ISO 11998 : 2006
The coated metal panels were subjected to abrasion (i.e. wiping actions) using cleaning cloth pre-saturated with the reagents ie Walsh Hand Sanitizer, Dettol Hand Sanitizer, Biograde Hand Sanitizer, Tap Water, Calcium Carbonate and Acetone. The test was terminated when change of gloss was observed or at 3000 cycles whichever occur earlier.

Project Reference : Sprint Project

Description of Sample : 6 pieces of S/S PVD Colour Samples with Anti-Fingerprint Coating approximately 135 mm x 300 mm were received.



Results : Refer to Page 2.



Shirley Lim Suidi
Principal Engineer (PCTD)
Construction Technology Division

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Results:

Table 1: Wet Abrasion Resistance

Sample Reference	S/S PVD Colour Sample with Anti-Fingerprint Coating
Date of Test Commencement	27/02/2023
Date of Test Completion	13/03/2023
Test Condition	24°C ; 51% R.H.
Test Speed	37±2 cycles / minutes
No of Cycles	3000
Reagents Used	Observation
Water	No visual anomalies such as loss of gloss was observed immediately after the test
Acetone	No visual anomalies such as loss of gloss was observed immediately after the test
Walch Hand Sanitizer	No visual anomalies such as loss of gloss was observed immediately after the test
Dettol Hand Sanitizer	No visual anomalies such as loss of gloss was observed immediately after the test
Biograde Hand Sanitizer	No visual anomalies such as loss of gloss was observed immediately after the test
Saturated Calcium Carbonate	scrub mark and moderate loss of gloss were observed on scrub area



Appendix A – Photographs of Reagents Used



Acetone



Walch Hand Sanitizer



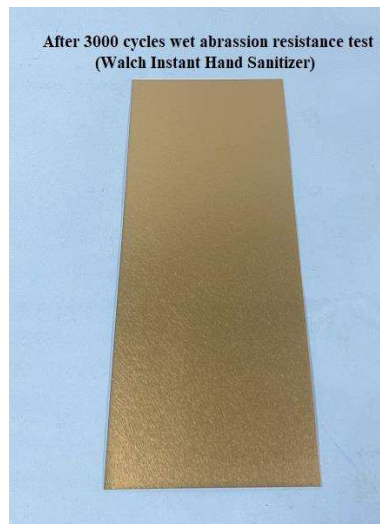
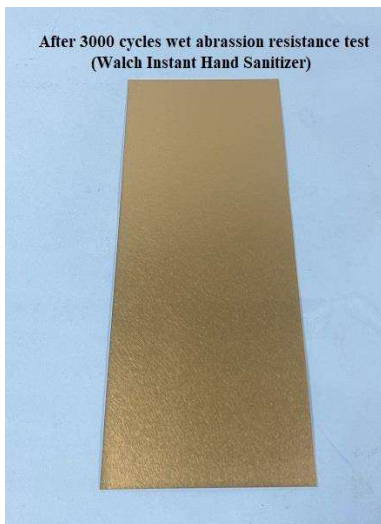
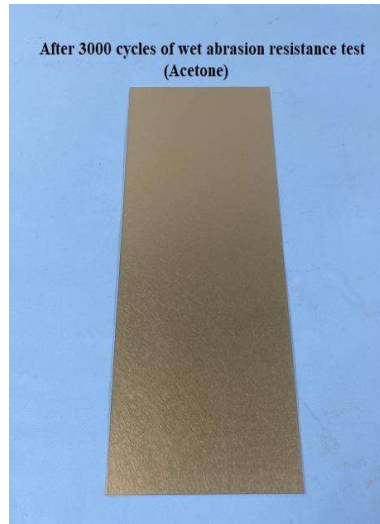
Dettol Hand Sanitizer



Biograde Hand Sanitizer

Handing

Appendix B – Samples After Test



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