

TEST REPORT

This document certifies that samples produced by

Unilin (Malaysia) Sdn Bhd

are fulfilling the following international norms and standards:

Ref: TR2019/UNI 016

TEST	INTERNATIONAL STANDARD	CLASSIFICATION BLACK BUTT
Gloss Value	DIN EN ISO 2813	61 - 63%
Inflammability	DIN 4102	B 1
Cross Cut Test	DIN EN ISO 2409	GT 0
Abrasion Resistance	DIN 68861-2 (500g load per wheel S 33)	IP – 1100cycles
Abrasion Resistance	ASTM D 4060 (1000g load per wheel CS 17)	IP – 9500cycles
Scratch Resistance Pencil Hardness	ISO 15184	2H
Scratch Resistance Coin Test	Hamberger planner	27N
Scratch Resistance Surface	Steel wool test, Type 2	No Scratch / No Marking
Resistance to Indentation	DIN EN 438 Part2 – 14	>= 2 Newton
Impact Resistance	DIN EN 438 Part2 – 12	8 Newton
Heat Resistance	EN 12722	120 ° C / Rating 5

Report Issued by:

S. 

Ardill Sujith
Friedrich Klumpp GmbH,
Singapore, 4 December 2019

Coating Process:

Primer	178-000-00023	6 – 8gm
1 st Base Sealer	161-000-00017	15 – 18gm
2 nd Base Sealer	161-000-00017	15 – 18gm
Putty	168-000-00310	18 – 20gm
3 rd Sealer	161-000-00126	15 – 18gm
1 st Topcoat	163-090-00107	6 – 8gm
2 nd Topcoat	163-090-00107	6 – 8gm