

# TECHNICAL DATA SHEET

APL / TDS / 004 / Rev. 00

Date 06.05.2020



<b>CORE TYPE</b>	PE
<b>PAINT QUALITY</b>	PVDF, HDPE
<b>PANEL THICKNESS</b>	4mm, 3mm
<b>WIDTH</b>	1220mm, 1250mm
<b>COIL THICKNESS</b>	0.2mm, 0.3 mm
<b>ALLOY/ TEMPER</b>	3000 SERIES / H16

## PHYSICAL AND MECHANICAL PROPERTIES

	TEST STANDARD	TOLERANCE
Thickness	...	(±) 0.2 mm
Width	...	(±) 0.2 mm
Length	...	(±) 0.2 mm
Weight	...	3mm: 3.9 Kg/mm <sup>2</sup> 4mm: 5.0 Kg/mm <sup>2</sup>
Peel Off Test	ASTM D 1781	≥ 10kg/25mm

## COATING PERFORMANCE

	TEST STANDARD	TOLERANCE
Color Difference Test	ASTM D 2244	$\Delta E \leq 2.0$ (reference to master sample)
Dry Film Thickness (DFT) Test	ASTM D 7091	2-Coat: 25 ± 3 μm 3-Coat: 38 ± 3 μm
Specular Gloss @60	ASTM D 523- 89	±5% (reference to master sample)
Pencil Hardness Test	ASTM D 3363	HB- 4H
Film Adhesion Test by Scratch Resistance	AAMA 2605, ASTM D 3359-09e2	No removal of paint
Film Adhesion Test by Boiling Water	AAMA 2605	No removal of paint
Solvent Resistance Test (MEK Test)	ASTM D 4752	No removal of paint @ 100 DBR
Coating Flexibility T - Bend Test	ASTM D 4145	≤ 2T
Impact Resistance Test 50 kg-cm	ASTM D 2794	No crack and paint peel-off
Chalking Resistance	ASTM D 4214	Chalking Rating: 6, after 1000 hours exposure to UV-B

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