

PU/PA PRE-PAINTED COIL SPECIFICATIONS.

PAINT QUALITY Premium quality PU/PA paint. RAL and other colour standards can be supplied.

PRETREATMENT Chrome / Chrome Free Pretreatment System for Aluminum coils.

PAINT COATING	TYPE OF PAINT	PAINT THICKNESS. (Microns.)		
		WHITE & LIGHT COLORS	DARK COLORS	PRINTING
PRIMER	POLYURETHANE	5 ± 2	-	-
BASE COAT	POLYURATHANE	-	12 ± 2	12 ± 2
INK	POLYESTER	-	-	2
TOP COAT	PU/PA	20 ± 2	12 ± 2	10 ± 2
TOTAL	-	25 ± 2	24 ± 2	24 ± 2
BACK COAT	EPOXY CLEAR	5 - 7	5 - 7	5 - 7

PRODUCT PERFORMANCE

TEST PROPERTY	SPECS	TEST RESULTS	TEST METHODS
COLOR MATCHING (WHITE COLORS)	$\Delta E \leq 0.60$	$\Delta E \leq 0.60$	ECCA - T3
GLOSS AT 60 °	30 - 40	30 - 40	ECCA - T2
T BEND	0 T	0 T	ECCA - T7
IMPACT	32 kg/cm	PASS	ECCA - T5
CROSS HATCH	100%	PASS	ISO 2409
PENCIL HARDNESS	HB	PASS	ECCA - T4
CUPPING	6 mm	6 mm	ECCA - T6
MEK RESISTANCE	120 DBR	PASS	ECCA - T11
5% HCL ACID & 5% NaOH ALKALI TEST	24HRS	PASS	AAMA620
UVA RESISTANCE (2000 H)	$\Delta E \leq 2.0$ (White)	GOOD	ECCA - T10
UVA RESISTANCE (2000 H), (GLOSS RETENTION)	> 40% (White)	GOOD	ECCA - T10
HUMIDITY RESISTANCE	1000 HRS	PASS	ASTM D2247
ABRASION RESISTANCE	≤ 40 mg (White)	PASS	ISO 11998
SALT SPRAY TEST	2000 HRS	PASS	ECCA - T8

The above results are under standard test conditions performed as per ECCA test methods and EN1396 Norms .

TYPICAL END USES : **Excellent For Roll Shutter and other building applications**