

**MAHARANI INNOVATIVE PAINTS PVT. LTD.**

Works:

Khasra no : 117&122, 49th K.M. stone, Delhi Mathura Road, Village Prithila,

District Palwal, Haryana(INDIA)

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CERTIFICATE OF CONFORMITY**PRODUCT NAME: MAHACOAT PP MATT BLACK HRBL****TYPE-PURE-POLYESTER****BATCH No: 122322055****Date: 09/12/2023**

S.No.	Characteristics	Specification	Result
1	Baking schedule	200°C /10-15 minutes (E.M.T)	OK
2	Coating thickness	50-60 Micron	55-60 Micron
3	Shade	Match with STD.	OK
4	Finish (Visually)	Smooth	Smooth
5	Gloss (ASTM D-523) @60°	20-25	21 - 22.
6	Bend resistance (Diameter)	6 mm	Passes
7	Impact at 50- 60µm(Direct / Indirect)	140 kg.cm / 140 kg.cm	Passes
8	Scratch hardness	5 kg	Passes
9	Cross cut adhesion (ASTM D -3359) GT-0 = EXCELLENT, GT-5 = WORST	P (GT-0) (100/100) No cracking or Flaking	Passes
10	Pencil Hardness	2H (No cracking or Flaking)	Passes
11	Erichsen Cupping	Passes 5 mm	Passes
12	Water resistance At 40°C X 120 Hrs.	No wrinkling, Cracking, Flaking, Blistering or softening of the coating	Batch No. 032322569 Passes (120Hrs)
13	Wear resistance (Method A 1000 Times)	35 mg max	Passes (11.9 mg)
14	Boiling Water Test 1/2 Hrs.	No blister, flaking, cracks, wrinkles, excessive changes in colour.	Passes
15	Spot resistance on panels ----		
(a)	Spot resistance to discoloration due to water (55°C @ 4 Hrs)	No excessive spot marks.	Passes
(b)	Spot resistance to discoloration due to alkalis (55°C @ 4 Hrs)	No excessive spot marks.	Passes
(c)	Spot resistance to discoloration due to acids (R/T @ 24 Hrs)	No excessive spot marks.	Passes
(d)	Spot resistance to discoloration due to gasoline.	No excessive spot marks.	Passes
16	Humidity (ASTM D – 2247)	No wrinkling, Cracking, Flaking, Blistering or softening of the coating (300 Hrs)	Batch No. 092321332 Passes (300Hrs)
17	Salt spray test (ASTM B – 117)	2 mm wide along either side (4 mm total) of each X cut (250 Hrs)	Batch No. 092321332 Passes (250Hrs)
18	Accelerate Weather Resistance test	600 Hrs. Passes No excessive chalking ,no rust, No blisters, flaking, cracks & wrinkles	Batch No. 092321332 Passes (600Hrs)
19	Shelf life (When stored below 30° & 50% relative humidity	06 months	

Checked by
Approved by

All test have been performed on 0.6 mm thick CRCA panel.

An IATF 16949:2016 Certified Co.