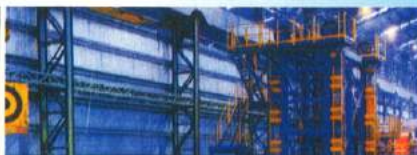




BHUSHAN





TECHNICAL DATA SHEETS



BHUSHAN RAINBOW PLUS

Pre Painted Galume Coils & Sheets - Corrugated Profiled & Tile Profile

Sr. No.	Parameters	Technical Details / Specifications / Stds
1.	Product Name	BHUSHAN RAINBOW PLUS
2.	Reference Standard	ASTM 755
3.	Other Ref: Standards	JIS 3322, ECCA
4.	Strip Thickness mm	0.25 to 1.20
5.	Strip Widths mm	900 to 1250
6.	Substrate Material	Galume coating as per ASTM A 792/A 792M with steel base as per ASTM Std
7.	Substrate Coating mass gms/m ² Substrate Coating mass Class	70 to 165 AZM 150 / 165 as per ASTM Std
8.	Grade Designation	Gr 50/ Gr 80/ CS Type A, B as per ASTM Std
9.	Yield Strength MPa & Tensile Strength MPa	340 min for Gr 50 & 550 min for Gr 80. 410 min for Gr 50 & 570 min for Gr 80.
10.	Paint Type	RMP/HDP/SMP/PVDF
11.	Paint Coating Thickness (DFT) Digital DFT meter Accuracy	Top coat 18 to 22 microns (+5 microns primer) Back coat 5 to 7 (including primer) Accuracy +/- 2% of reading as per ASTM A 153
12.	Pencil Hardness	H or Harder
13.	Gloss	15 – 80% at 60 degrees ASTM D 523
14.	Resistance to Chalking Quv ASTM D 53	2000 HRS – rating ≤ 4 for PVDF, 1000 HRS – rating ≤ 4 for others
15.	Resistance to Corrosion (ASTM B 117)	1000 HRS – with Blister density ≤ 2, creepage ≤ 2 mm.
16.	Resistance to Humidity	1000 HRS –Blister density ≤ 2, ASTM D 1308
17.	Resistance to color change QUV – ASTM G 53	2000 HRS (delta E ≤ 5 unit) for PVDF 1000 HRS (delta E ≤ 5 unit) for others
18.	Flexibility	2 T – (ECCA) – no adhesion loss
19.	Resistance to Abrasion	≤ 20 mg as per 100 cycles
20.	Resistance to Acid / Solvents	NO discoloration / No Blistering – ASTM D 1308
21.	Product Certification	All products are accompanied with MTC and Packing list.
22.	Quality System	ISO 9001 – 2000



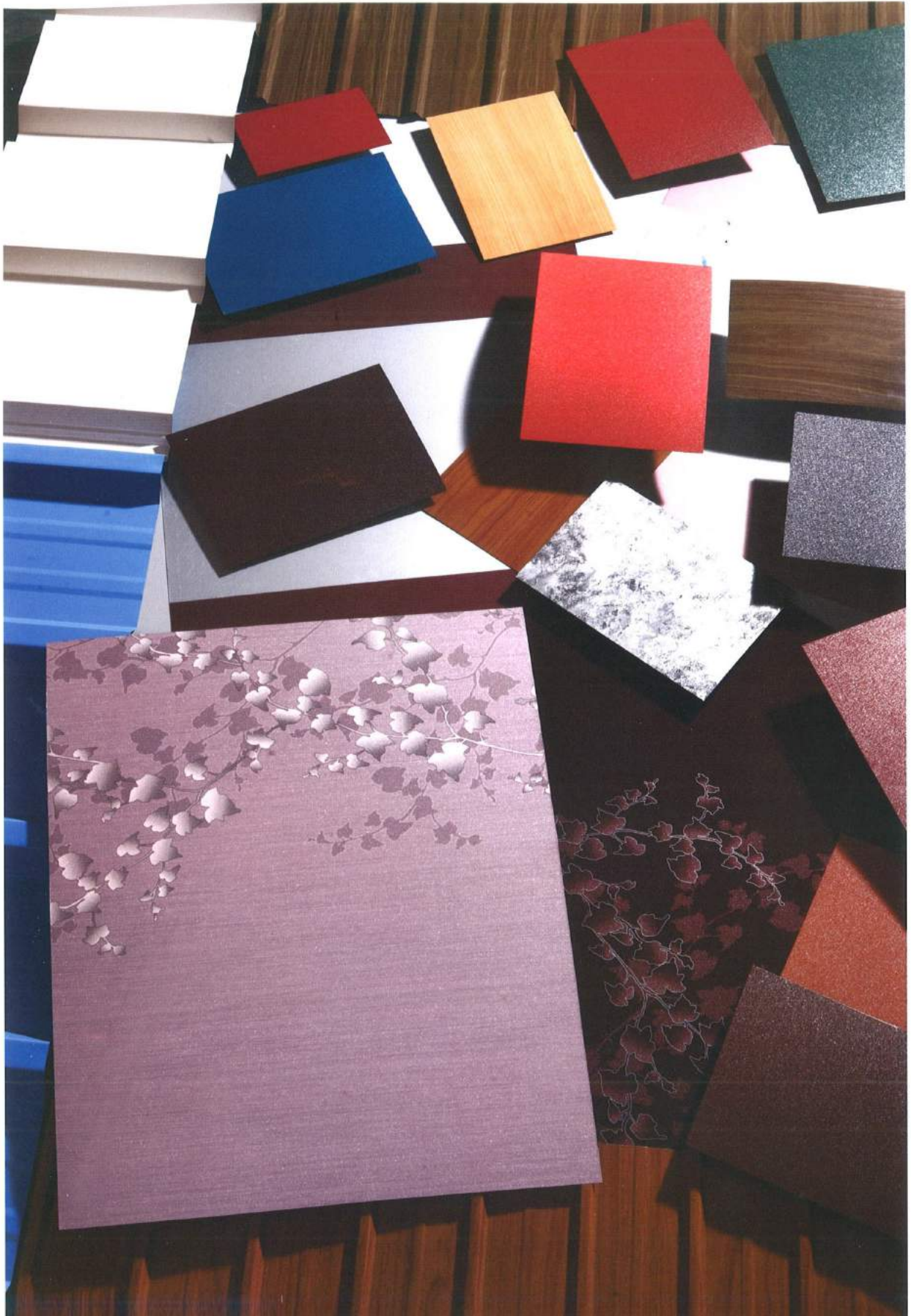
TECHNICAL DATA SHEETS



BHUSHAN RAINBOW

Pre Painted Galume Coils & Sheets - Corrugated Profiled & Tile Profile

Sr. No.	Parameters	Technical Details / Specifications / Stds
1.	Product Name	BHUSHAN RAINBOW
2.	Reference Standard	ASTM 755
3.	Other Ref: Standards	JIS G3312, IS 14236, ECCA
4.	Strip Thickness mm	0.25 to 1.20
5.	Strip Widths mm	900 to 1250
6.	Substrate Material	Zinc coating as per ASTM A 653/A 653M with steel base as per ASTM Std
7.	Substrate Coating mass gms/m ² Substrate Coating mass Class	80 to 275Z120: Z150:Z180and Z275 as per ASTM std Or As mutually agreed
8.	Grade Designation	Gr 50/ Gr 80/ CS Type A, B as per ASTM Std
9.	Yield Strength MPa Tensile Strength MPa	340 min for Gr 50 & 550 min for Gr 80. 410 min for Gr 50 & 570 min for Gr 80.
10.	Paint Type	Regular Polyester / Silicon Polyester/PVDF
11.	Paint Coating Thickness (DFT) Digital DFT meter Accuracy	Top coat 18 to 22 microns (+5 microns primer) Back coat 5 to 8 (including primer) Accuracy +/- 2% of reading as per ASTM A 153
12.	Pencil Hardness	H or Harder
13.	Gloss	15 – 80% at 60 degrees ASTM D 523
14.	Resistance to Chalking Quv ASTM D 53	1000 HRS – rating ≤ 4 for PVDF, 750 HRS – rating ≤ 4 for others
15.	Resistance to Corrosion (ASTM B 117)	500 HRS – with Blister density ≤ 2, creepage ≤ 2 mm.
16.	Resistance to Humidity	1000 HRS –Blister density ≤ 2, ASTM D 2247
17.	Resistance to color change QUV – ASTM G 53	2000 HRS (delta E ≤ 5 unit) for PVDF 1000 HRS (delta E ≤ 5 unit) for others
18.	Flexibility	2 T – (ECCA) – no adhesion loss
19.	Resistance to Abrasion	≤ 20 mg as per 100 cycles
20.	Resistance to Acid / Solvents	NO discoloration / No Blistering – ASTM D 1308
21.	Product Certification	All products are accompanied with MTC and Packing list.
22.	Quality System	ISO 9001 – 2000



WRINKLE FINISH STEEL

Bhushan Steel has launched a prepainted steel product which has special wrinkle surface finish.

BHUSHAN WRINKLE FINISH STEEL steel can be used in versatile projects for roofing tiles and cladding, sandwich panels, rolling shutters and accessories to highlight the building outlook.

The unique paint system of BHUSHAN WRINKLE FINISH STEEL steel provides the new level of coating hardness and scratch resistance combined with excellent abrasion resistance which is remarkably resistant to chipping and cracking during handling.

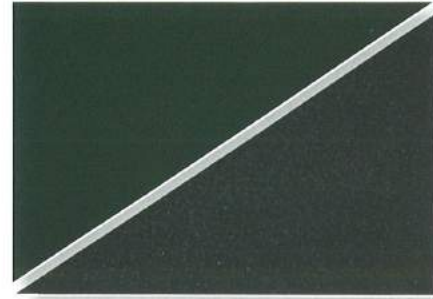
Product Highlights

- High resistance to scratch
- High abrasion resistance
- High durable coating
- Smooth and Regular wrinkled top surface finishes.

The WRINKLE topcoat is an excellent choice for snow fall regions for exterior building market products like roof & side panels and garage doors, etc where some severe forming is the basic need of the end customer. This product is exclusively developed to answer and eliminate the problems which usually occur during the severe forming operation. During the forming operations, this product not only withstands to high scratch but also provides excellent slip and mar resistance properties.

Available colors

- H.S.RED
- RAL 8017 BROWN
- DARK GREEN
- BRICK RED
- MAROON
- CHARCOAL GREY
- POTTERS CLAY
- SKY BLUE



Technical Specifications

- Thickness - 0.30 to 0.60 mm TCT
- Width - 900 to 1220 mm
- Temper - Soft/ LFQ/FH
- End use - Interior applications - e.g. ceilings, panels for acoustic buildings, etc.
- Roof tiles in snow fall regions, rolling shutters.
- Bend test - 2T NTO
- Wrinkle Finish - smooth; regular.
- top color - Standard shades
- back coat - mill standard grey.





BHUSHAN

Enhancing
The World Of
Steel