

TECHNICAL DATA SHEET

PRODUCT NAME = HS-835 TANGY BLUE WITH ADHESION PROMOTERS

BATCH NO. = 7684

DATE = 23-08-2025

SR.NO.	TEST	SPECIFICATION	RESULT
1	WT./PER LTR @ 30°C	1.04±3	1.06
2	SUPPLY VISCOSITY @ 30°C BY FORD CUP NO. B-4	SEC@ 30°C BY FORD CUP B-4 80-85 SEC	80 SEC
3	APPLICATION VISCOSITY @ 30°C BY FORD CUP NO.B-4	18-20 SEC	20 SEC
4	RECOMMENDED THINNER	TSA THINNER	TSA THINNER
5	STOVING SCHEDULE	120°C/30 MIN. (EMT)	120°C/30 MIN. (EMT)
6	FINISH	SMOOTH & GLOSSY	SMOOTH & GLOSSY
7	SHADE	CLOSE MATCH TO STD.SHADE	CLOSE MATCH TO STD.SHADE
8	GLOSS (IN SYSTEM)	ON 60°C GLOSSOMETER,MIN.80 UNITS	96 UNITS
9	PENCIL HARDNESS	MIN.F,SHOULD NOT BREAK A PAINT FILM	PASS
10	ADHESION	2X2mm,SHOULD NOT PEEL OFF[100/100] SQUARE	PASS
11	IMPACT RESISTANCE	AT R.T 1.816 kg/0.5 INCH/15 CM: NO CRACKS OR FLAKING	PASS
12	FLEXIBILITY	AT R.T 180°/30 mm RD : NO CRACKS OR FLAKING	PASS
13	WATER RESISTANCE	6hrs/40-45°C/ DIP, NO BLISTERS,FLAKING,CRACKS,WRINKLES EXCESSIVE CHANGE IN COLOUR & GLOSS, OR SOFTENING OF COATING.	PASS
14	HUMIDITY RESISTANCE	72 Hrs/50 +/-2°C/98±2 NO BLISTERS,WRINKLES,EXCESSIVE CHANGE IN COLOURS & GLOSS, FLACKING,CRACKS OR SOFTENING OF COATING.	PASS
15	ACID RESISTANCE	0.1(N)H2SO4/2ML/DROP/R.T/24 HR , SHOULD NOT HAVE SOFTENING & CONSIDERABLE CHANGE IN COLOUR & LUSTURE	PASS
16	ALKALI RESISTANCE	0.1(N) NaOH/2ML/DROP/RT/24 HRS,SHOULD NOT HAVE SOFTENING & CONSIDERABLE CHANGE IN COLOUR & LUSTURE	PASS
17	WATER SPOTTING	DI WATER/2ml/R.T./24 HRS NO EXCESSIVE SPOT MARKS.	PASS
18	CORROSION RESISTANCE	S.S.T /500 HRS NO CORROSION, BLISTERS, OR FLAKING ON AREA EXCEPT FOR 4 mm	PASS

Works : G-1/564,  
Khushkhera,  
Bhiwadi, Rajasthan.  
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19	XYLENE RESISTANCE	8 RUBS; NO EXCESSIVE FLAWS, DECREASED GLOSS OR COLOURED GAUZE, LOSS OF LUSTER & GAUZE OF TAINING	PASS
20	GASOLINE RESISTANCE	5hrs/DIP/20+/-2°C/2 HRS RECOVERY NO BLISTERS, NO PEELING NO SOFTENING, NO CHANGE IN COLOUR & LUSTURE	PASS
21	GASOHOL RESISTANCE	5hrs/DIP/20+/-2°C/2 HRS RECOVERY NO BLISTERS, NO PEELING NO SOFTENING, NO CHANGE IN COLOUR & LUSTURE	PASS
22	ACCLERATED WEATHER RESISTANCE	400hrs/SUGASUNSHINE WHEATHEROMETER. SHOLUD NOT HAVE SWELLING, EXFOLIATION, CRACKING, CONSIDERABLE CHANGE IN GLOSS LUSTURE CHECK GLOSS AFTER POLISHING. GLOSS RETENTION SHOULD BR MORE THAN 80% OF ORIGINAL VALUE	PASS
23	RECOATABILITY	AFTER SANDING ADHESION 100/100, 2X2 mm	PASS
24	STORAGE STABILITY	SIX MONTHS FROM THE DATE OF MFG. UNDER NORMAL STORAGE CONDITION @ 30°C	PASS

**APPLICATION METHOD-**

MS PANEL—Zn PHOSPHATED—STOVING AT 150°C@30 MIN., TSA MET B/C SILVER(16-18)-10-12 MIN.F/O—TSA CLEAR LACQUER (18-20)—8-10 MIN.F/O—STOVING @ 120°C/30 MIN.(EMT)—AGEING FOR 24 HRS AT R.T.—TESTING

RECOMMENDED THINNER FOR B/C— TSA THINNER

RECOMMENDED THINNER FOR TSA CLEAR LACQUER — TSA THINNER

APPLICATION VISCOSITY FOR B/C = 16-18 SEC. FOR T/C = 18-20 BY FORD CUP NO.B-4

FOR ESS CHEMITECH PVT.LTD.

