



Surface Engineering & Coating Consultant

A Reliable Paint Testing & Certification Laboratory



M/s. Thermogreen Cool Coat Pvt. Ltd.
104, Taj Apartment, Panchsheel Park,
Near Safdarjung Hospital, New Delhi -110029.

October 01, 2019

Ref, No. nil & Your email dated May 20, 2019

Project No. : SECC/51/2019

Dear Sir,

Subject: Testing of Thermacool 0.3C Paint and Coated Panel as per BIS 17218:2019

DFT: ~120 μm in 2 coats.

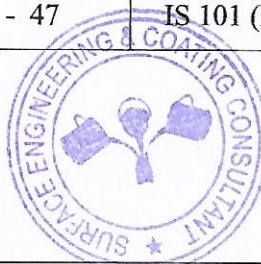
Find hereby the test results properties carried out for the paint and coated panels submitted to us.

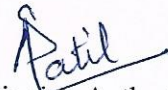
S. No.	Test Parameter	Test Method	Result
1.	Drying time, Max a) Surface Dry - 30 min b) Hard dry - 3hrs c) Tack Free - 4 day	IS 101 (Part 3/Sec 1)	21 min 2 hrs 15 min 4 Days
2.	Mass, Kg/10 Litre, Min - 13.00	IS 101 (Part 1/Sec 7)	13.65
3.	Consistency - Smooth, Uniform and suitable for brushing without appreciable drag on the brush	Annex C of IS 133	Smooth, Uniform and suitable for brushing without appreciable drag on the brush
4.	Finish - Matt	IS 101 (Part 3/Sec 4)	Matt
5.	Colour - Close match to the specified IS colour as in IS 5 or to an agreed Colour.	IS 101 (Part 4/Sec 2)	White
6.	Thickness, Dry film, Microns, Min - 120	Annex A of IS 16676	120 Min.
7.	*Solar reflectance index, Min - 102 Reflectance, Min - 80% Emissivity, Min - 0.92	ASTM E 1980-11, EN 673, ISO 9050	102 80% 0.92
8.	Pull Off adhesion, Min - 2.8MPa	Annex D of IS 16676	Passes 2.8MPa
9.	Hardness (Pencil), Min - 3H	IS 101 (Part 5/Sec 1)	Passes 3H
10.	Accelerated Weatherometer Test, 2000h exposure - Gloss retention and colour fastness shall be minimum 95 percent of original	IS 101 (Part 6/Sec 5)	Passes

*Tested at CEPT, Ahmedabad

1.	Viscosity, Sec, in No. 4 Ford Cup at 27 \pm 2 $^{\circ}$ C - 80 to 120 sec	IS 101 (Part 1/Sec 5)	Viscosity High, test performed as per ASTM D 562-18 110 K.U., 23.20 Poises, (on 475 g Weight)
2.	Volume Solids, percent, min - 47	IS 101 (Part 8/Sec 6)	The Volume Solids was lower & found to be at 37.45%


Test Conducted by
Rajkumar




Signing Authority
Akshay Patil