



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 1, 2019

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

Project No. : SECC/51/2019

Dear Sir,

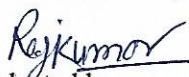
Subject: Testing of Thermacool 0.3M Coated Panels as per BIS 17218:2019

DFT : ~120 µm in 2 coats


Find hereby the test report of the steel coated samples using Thermacool 0.3M paint, carried out for the samples submitted to us.

| S.No. | Test Parameter | Test Method | Result |
|-------|---|--|---|
| 1. | Drying time, Max a) Surface Dry - 2hrs b) Hard dry - 12hrs c) Tack Free - 7 day | IS 101 (Part 3/Sec 1) | 1 hrs 25 min 3 hrs 48 min 7 Days |
| 2. | Mass, Kg/10 Litre, Min - 12.5 | IS 101 (Part 1/Sec 7) | 13 |
| 3. | (a) Consistency - Smooth, Uniform and suitable for brushing without appreciable drag on the brush (b) Viscosity, Sec, in No. 4 Ford Cup at 27± 2°C - 80 to 120 | Annex C of IS 133 IS 101 (Part 1/Sec 5) | Smooth, Uniform and suitable for brushing without appreciable drag on the brush 91 |
| 4. | (a) Finish - Glossy (b) Gloss, 60° - 50-60 | IS 101 (Part 3/Sec 4) IS 101 (Part 4/Sec 4) | Glossy 53.5 |
| 5. | Volume Solids, (%) Min. 47% | IS 101 (Part 8/Sec 6) | 48.83 |
| 6. | Colour - Close match to the specified IS colour as in IS 5 or to an agreed Colour. | IS 101 (Part 4/Sec 2) | White |
| 7. | Thickness, Dry film, µm, Min. 120 | Annex A of IS 16676 | 120 |
| 8. | *Solar reflectance index, Min - 102 Reflectance, Min - 80% Emissivity, Min - 0.92 | ASTM E 1980-11, EN 673, ISO 9050 | 102 80% 0.92 |
| 9. | Pull Off adhesion, Min. 7.2MPa | Annex D of IS 16676 | 7.8MPa |
| 10. | Hardness (Pencil), Min - 5H | IS 101 (Part 5/Sec 1) | 5H |
| 11. | Pot life at 30°C, Min. 3hrs | Annex J of IS 5410 | 3hrs |
| 12. | Accelerated Weatherometer Test, 2000 h exposure - Gloss retention and colour fastness shall be minimum 95 percent of original | IS 101 (Part 6/Sec 5) | Passes |

- Tested at CEPT, Ahmedabad


Test Conducted by
Raj Kumar




Signing Authority
Rashmi David

Office Address: UG-27, Dreams The Mall, L.B.S.Road, Bhandup (West). Mumbai- 78
Email: info@secclab.com, Web: www.secclab.com
Mobile: +91 9967671883, Telephone: 022-21661249