



QUALITY ASSURANCE

Every panel at COIL COAT is manufactured and tested as per the ASTM, NCCA and ECCA standards. These coils confirm to strict quality assurance norms, right from the raw material selection to the finishing stage.

Test standard for coating properties

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| 1. Specular Gloss | (ASTM-D-523) |
| 2. Gloss retention | (ASTM-D-523) |
| 3. Colour Retention ΔE | (ASTM-D-2244) |
| 4. Dry film thickness | (ASTM-D-1400) |
| 5. Dry film hardness | (ASTM-D-3363) |
| 6. Impact resistance | (ASTM-2794) |
| 7. MEK Rub | (NCCA-11-18) |
| 8. Cross hatch paint adhesion | (ASTM-D-3359) |
| 9. Scratch Resistance | (BS-3900 PART E-2) |
| 10. Chemical Resistance: | |
| .Muratic Acid | (ASTM-D-543) |
| .Mortar | (ASTM-D-543) |
| .Nitric Acid | (ASTM-D-543) |
| .Detergent | (ASTM-D-543) |
| .Window Cleaner | (ASTM-D-543) |
| 11. T-bend | (ASTM-D-4145) |
| 12. Salt Spray Resistance | (ASTM-B117) |
| 13. Fitness of paint | (ASTM-D-1210) |
| 14. QUV Resistance | (ASTM-4329) |
| 15. Boiling water resistance | (AAMA Test Method) |

Test standard for mechanical properties

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| 1. Yield Strength | (ASTM-C-393) |
| 2. Tensile Strength | (ASTM-C-393) |
| 3. Peel Strength | (ASTM-D-903-93) |
| 4. Elongation | (ASTM-E8/638) |
| 5. Flexural Stress | (ASTM-C-393) |
| 6. Flexural Rigidity | (ASTM-C-393) |
| 7. Flexural Modulus of Elasticity | (ASTM-C-393) |
| 8. Punch Shear Resistance | (ASTM-D-732) |
| 9. Modules of Elasticity | (ASTM E8/C-393) |