

MC-BOND ACP FR مصنع الالواح الذهبية للصناعة TECHNICAL DATA SHEET (4mm)

| CATEGORY | TEST STANDARD | TEST PROCEDRE | REQUIREMENT | 4MM | RESULT |
|---------------------|---------------------------------|--|--|--|--------|
| MECHANICAL TEST | CALIBRATED CALIPER | THICKNESS OF THE PANEL | /+-0.2/ | 4.092MM | PASSED |
| | CALIBRATED WEIGHING DEVICE | WEIGHT OF PANEL | >7.2-7.4kg/m^2 for 4mm | 7.2-7.3/m^2 | PASSED |
| | ASTM C 273 | SHEEAR STRENGTH | >=3.2MPA | 3.49 | PASSED |
| | ASTM D 1781 | PEEL OF TEST | >10KG/25MM | 17.3kg/25mm | PASSED |
| | ASTM D648 | TEMPERATURE FOR THERMAL DEFORMATION | >=100 C | 189.8 C | PASSED |
| | ASTM C518 | THERMAL CONDUCTIVITY | MEASURE VALUE | 0.13W/mk | PASSED |
| COATING PREFORMANCE | ASTM C481(CYCLE) | WEATHERING RESISTANCE | A. SHEAR STRENGHT NO EFFECTS WHEN TEATAS PSER ASTM C273 B.FILM ADHESION NO EFFECT WHEN TEST AS PER AAMA 2605(CLAUSE 7.4) C.IMPACT RESISTANCE NO EFFECT WHEN TEST AS PER AAMA 2605 (CLAUSE 7.5) | A.3.45MPA B.FILM ADHESION B.1 DRY ADHESION .NO REMOVAL OF FILM WAS OBSERVED B.2 WET ADHESION . NO REMOVAL OF FILM OBSERVED B.3 BOILING WATER .NO REMOVAL OF FILM OBSERVED C.IMPACT RESISTANCE .NO REMOVAL OF FILM OBSERVED | PASSED |
| | AAMA 2605 | CORROSION RESISTANCE | A.HUMIDITY RESISTANCE .NO FORMATION OF BLISTER TO EXTENT GREATER THAN "FEW"BLISTER SIZE # AS SHOWN IN FIG 40F ASTD 714 B. SALT SPAY RESISTANCE MINIMUM RATING OF 7 ON SCRIBE OR CUT EDGES 8 WITHIN THE TST SPECIMEN .FEILD IN ACCORDANCE WITH TABLE 1 AND 20F AAMA2605 | Humidity Resistance no formation of blisters salt spay Resistance a.Rating of 9 scribed b.rating of 10 no unscribed | PASSED |
| | ASTM D 1400 | COATING THICKNESS | >=25 um | 27-30.um | PASSED |
| | ASTM D 968 (METHOD A) | ABRASION RESISTANCE | .50/MIL | 368.1/MILS | PASSED |
| | ASTM D 3363 | PENCIL HARDNESS | >=2H | >3H | PASSED |
| | AAMA 2605(CLAUSE 7.4) | FILM ADHESION | NO LESS OF ADHESION | NO PEELING OF FILM NOR BLISTERING | PASSED |
| | AAMA 2605 CLAUSE 7.5 | IMPACT RESISTANCE | NO REMOVAL OF FILM SUBTRATE | NO REMOVAL OF FILM SUBTRATE | PASSED |
| FIRE TEST | UNE-EN 13501- 1:2007+A1:2010 | CLASSIFICATION IN TERMS OF THE BEHAVIOUR TO FIRE OF CONSTRUCTION PRODUCTS AND BUILDING ELEMENTS PART 1:CLASSIFICATION MADE FROM THE DATA GATHERED DURING FIRE REACTION TESTS | CLASS B-s1,d0 | CLASS B-s1,d0 | PASSED |
| | UL/723 | STANDARD TEST METHOD FOR SURF ACE BURNING CHARACTERITICS OF BUILDING MATERIALS | CLASS 1 OR A:FLAME SPREAD INDEX (FSI)0-25 SMOKE DEVELOPED INDEX(SDI)0-450 | FSI (15) SDI (30) | PASSED |
| | UL/723 | STANDARD TEST METHOD FOR DETERMINING IG NIYION TEMPERATURE OF PLASTICS | WITH PASS CRITERIA MCM/ACP SHALL HAVE SELF IGNITION TEMPERATURAOF NOT LESS THAN 343C | A.SELF-IGNITION 896F(480C) FLASH IGNIYION 896F(480C) B.CORE ONLY (3MM/5MM)SELF- IGNTION 1058F(571C) FLASH IGNTION 1058F(570C) | PASSED |

EXECUTIVE MANAGER

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