

The Top of Best

ALCOTOP

ALCOTOP PANEL, ALCOTOP F.R PANEL, ALCOTOP A2 PANEL

A2



 **월드메카텍(주)**
WORLD MECH' TECH' CO., LTD

ALCOTOP은 세계에서 가장 우수한 복합판넬입니다.

ALCOTOP/F.R PANEL은 최고의 품질을 위하여 노력하고 있습니다.

월드메카텍(주)는 최상의 품질, 합리적인 가격, 뛰어난 서비스로
고객님께 감동을 드리는 기업이 되겠습니다.

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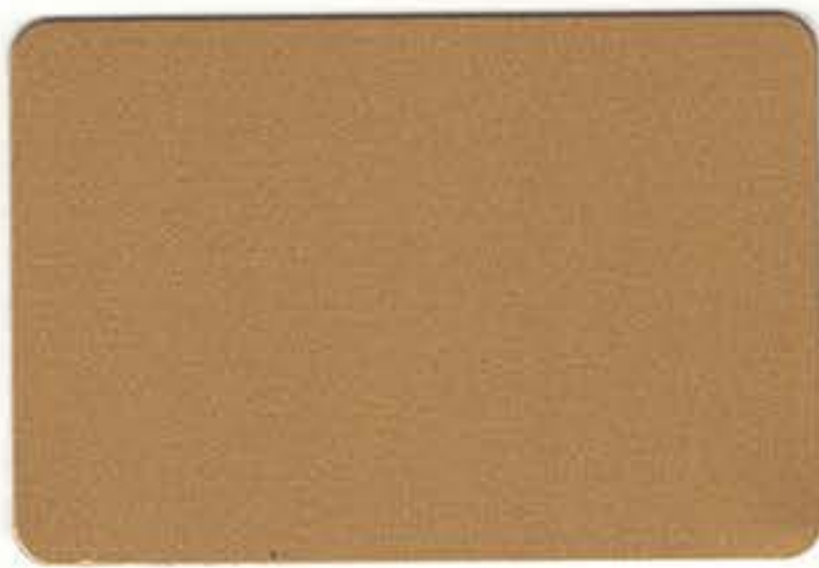
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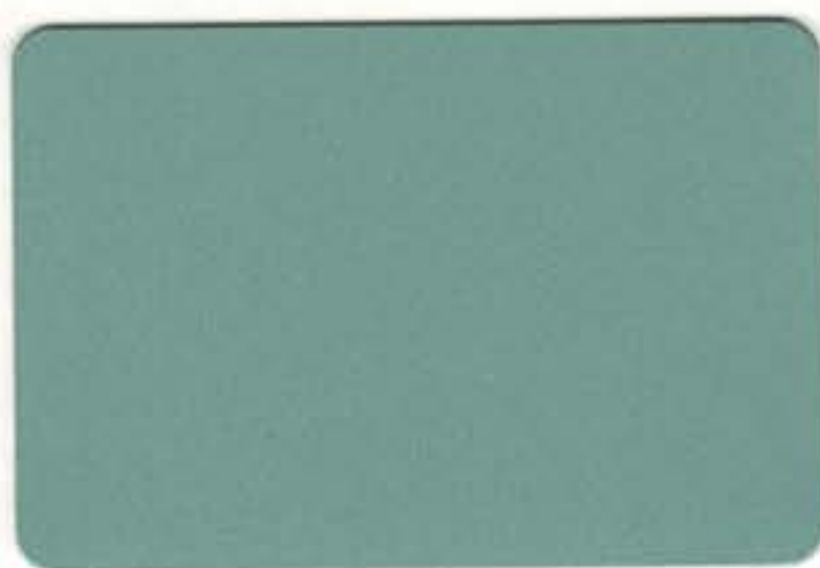
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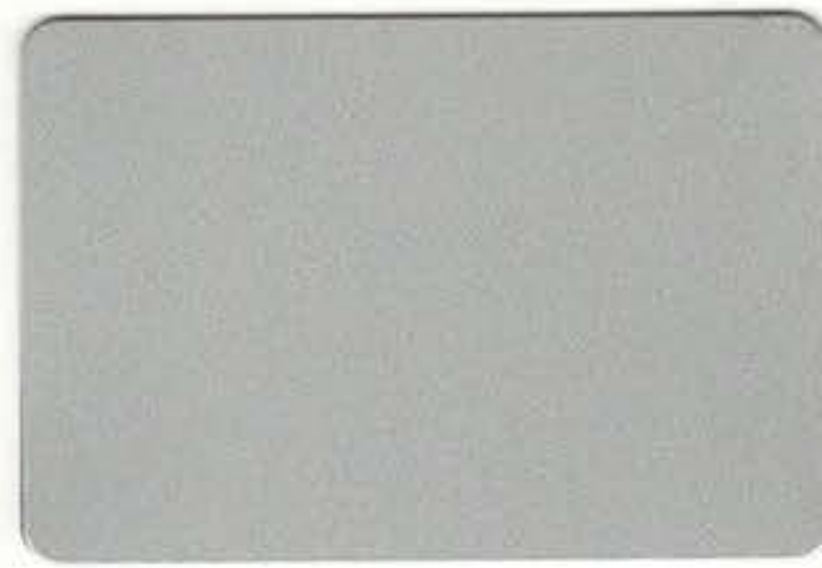
METALLIC COLORS



AT-101MT GOLD



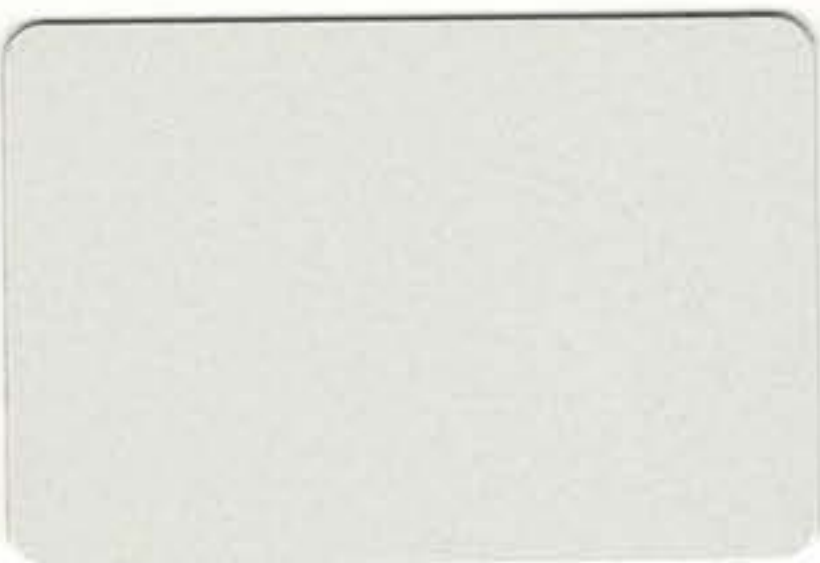
AT-103MT JADE



AT-104MT EXOTIC SILVER



AT-111MT PEARL ORANGE



AT-301MT METALLIC WHITE(3COAT)



AT-302MT METALLIC GREEN(3COAT)



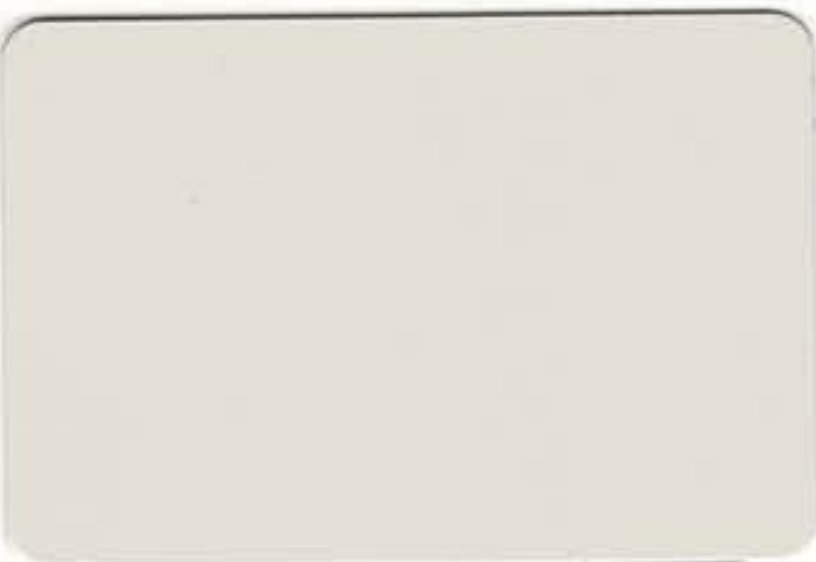
SOLID COLORS



AT-201 PURE WHITE



AT-202 CONCERT WHITE



AT-203 YELLOW WHITE



AT-212 UMBRA GREY



AT-213 DARK GREY



AT-215 GREEN



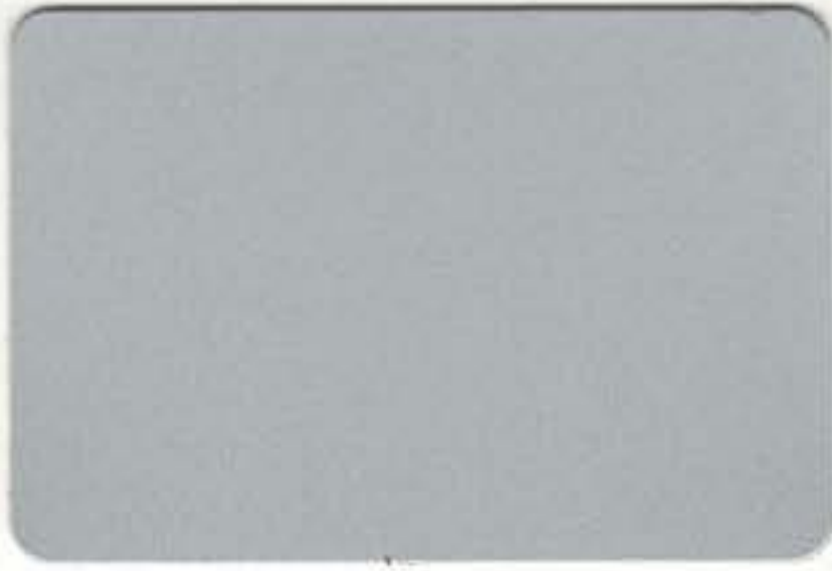
AT-222 RED



AT-223 BLACK



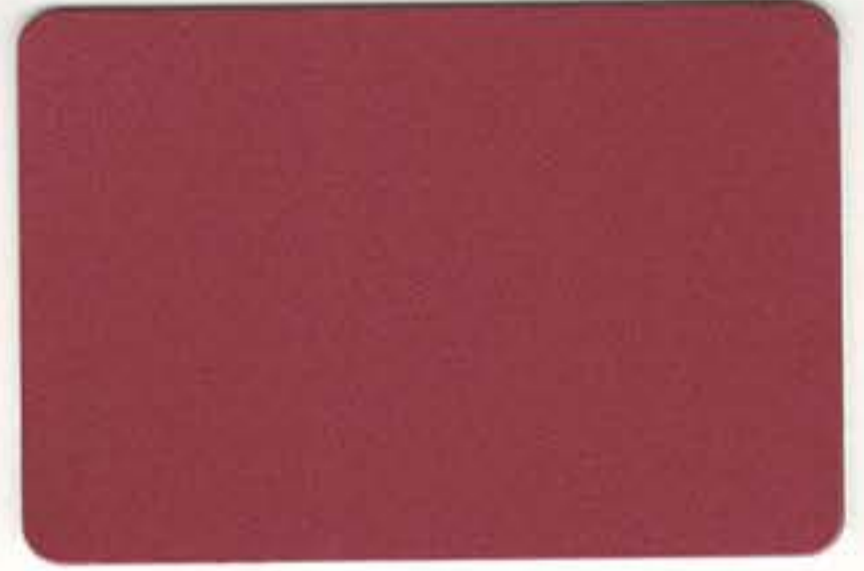
AT-224 DARK RED



AT-105MT METALLIC SILVER



AT-106MT CHAMPAGNE



AT-108MT WINE RED



AT-303MT BRIGHT SILVER



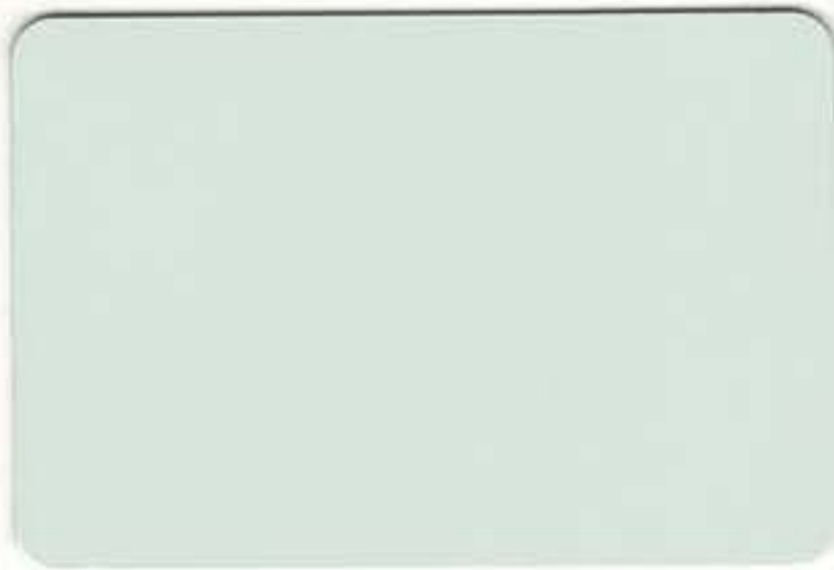
AT-304MT BLACK BERRY(3COAT)



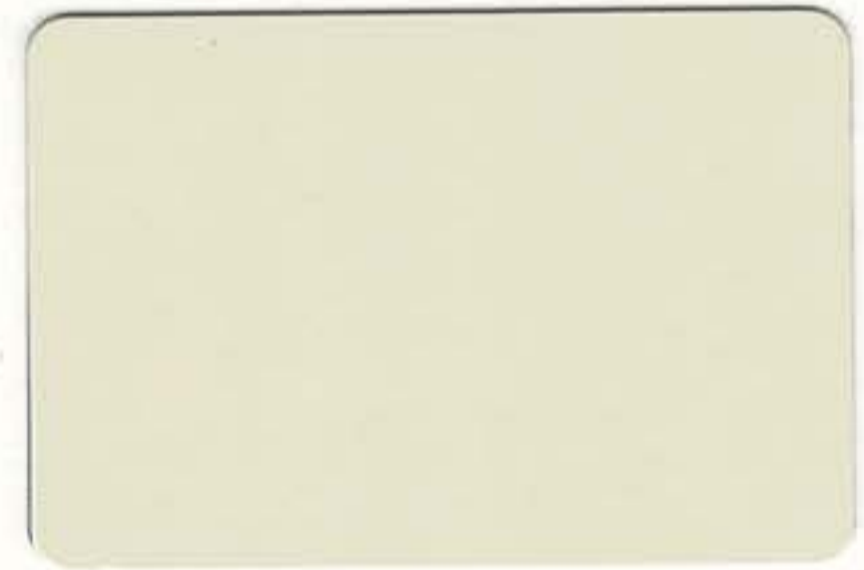
AT-305MT METALLIC DARK GREY



AT-204 ASCOT WHITE



AT-205 BLUE WHITE



AT-206 IVORY



AT-217 BLUE



AT-218 SIGNAL BLUE



AT-219 DARK BLUE



AT-225 PINK



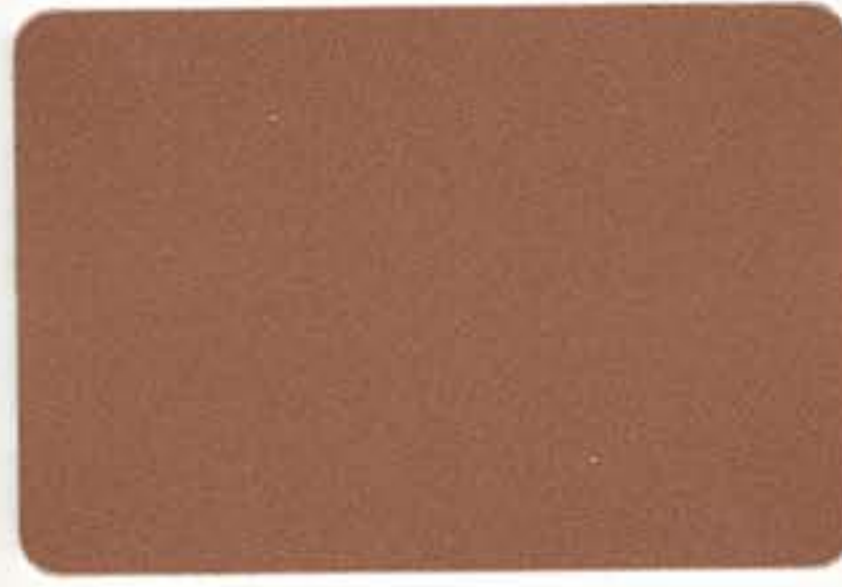
AT-226 CORAL



AT-227 PURE ORANGE



AT-109MT BRONZE



AT-110MT COPPER PENNY



AT-306MT METALLIC SIGNAL BLUE(3COAT)



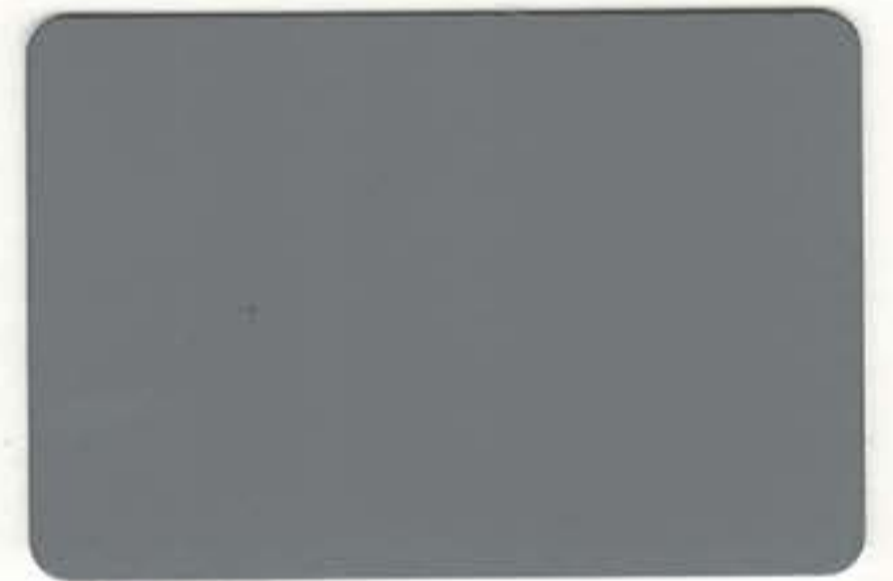
AT-307MT METALLIC BRIGHT BLUE(3COAT)



AT-208 YELLOW



AT-209 DOVE GREY



AT-211 FASHION GREY

ALCOTOP A2 PANEL CLASSIFICATION

The product, Aluminium Composite Panel type Alcotop, in relation to its reaction to fire behaviour is classified: **A2**

The additional classification in relation to smoke production is: **s1**

The additional classification in relation to flaming droplets/particles is: **d0**

The format of the reaction to fire classification for construction products excluding flooring is:

| Fire behaviour | | Smoke production | | | Flaming droplets | |
|----------------|---|------------------|---|---|------------------|---|
| A2 | - | s | 1 | , | d | 0 |

- 칼라차트에 표시된 메탈릭의 색상은 LOT에 따라 색상이 차이가 날 수 있습니다. 특히 시공 시에는 화살표 방향을 동일한 방향으로 설치해야합니다.
- Metallic color shown on this chart may not be exactly the same depending lot. Especially the arrow direction should be installed in same direction.



AT-308MT LHOTSE WOOD



AT-309MT NAIVE WOOD



AT-310MT LIGHT MAPLE CUSTOM



AT-311MT DOUGLAS FIR



AT-321P FAUX ZINC LIGHT



AT-322P FAUX ZINC DARK



AT-323P FAUX ZINC CHARCOAL



AT-331P SIERRA RUST



AT-332P CSX RUST 02 15GL



AT-333P NIMITZ BLUE

ALCOTOP / F.R PANEL

| | ASTM | UNIT | K.S | RESULT |
|--|------|---------------------|-----------------|------------------------|
| Weight (무게) | | kg/m ² | | 7.60 |
| Thermal Resistance(열저항) | D976 | m ² ·k/W | KS L9016-2010 | 0.03 |
| Coefficient of Linear Thermal Expansion (열팽창율) | D696 | °C | | 2.5 × 10 ⁻⁵ |
| Yield Strength (휨강도) | E8 | N/mm ² | KS F4737 : 2019 | 108.9 |
| Tensile Strength (인장강도) | E8 | N/mm ² | KS F4737 : 2019 | 55.8 |
| Elongation (연신율) | E8 | % | KS F4737 : 2019 | 9 |
| Sound Transmission loss (차음성) | | dB | KS F4737 : 2019 | 24 |
| Fouling resistant (내오염성) | | 등급 | KS F4737 : 2019 | 4-5 |
| Adnegtre Strenght (박리 접착하중) | | N/25mm | KS F4737 : 2019 | 210 |

ALCOTOP / F.R PANEL CHARACTERISTICS (FOR STANDARD DIMENSION)

| ASTM | ASTM | RESULT |
|----------------------------|--|--|
| ASTM D 1929 발화온도 시험 | Determining Ignition Temperature of Plastics | Self ignition Temp.>399°C(750°F) |
| ASTM D 2015 발열량 측정시험 | Gross Calorific Value of Coal and Coke by the Adiabatic Bomb Calorimeter | <4606BTU/lb |
| ASTM D 635 발화등급시험 | Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position | Passed |
| ASTM E 108 외벽 및 지붕자재의 화재시험 | Fire Tests of Roof Coverings | Passed |
| ASTM E 119 내화등급시험 | Fire Tests of Building Construction and Materials | 90 min Passed |
| ASTM E 162 불꽃확산시험 | Surface Flammability of Materials Using a Radiant Heat Energy Source | Average I _s =0 |
| ASTM E 648 열에너지 방출시험 | Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Sours | 0(Failed to ignite after 10min exposure) |
| ASTM E 662 연기밀도 시험 | Specific Optical Density of Smoke Generated by Solid Materials | Flaming Exposure :3.6 Non-Flaming Exposure :0 |
| ASTM E 84 건축자재 표면연소 특성시험 | Surface Burning Characteristics of Building marerials | Class 1/A |
| UBC 26-3 내실모서리 연소시험 | Room Fire Test Standard For Interior of Foam Plastic Systems(FM 4880/NFPA 286) | Passed |
| UBC 26-9 모의화재시험 | NFPA285 Intermediate Scale Multi Storey Flammability Test | Passed |
| UPITT TOXICITY TEST | Investigation of the Toxic Potency of Combustion Products | Passed |
| UL 94 난연성 평가 | The Standard For Safety of Flammability of Plastiv Materials for Parts in Devices and Appliances testing | V0 |

PRODUCT TOLERANCE 제조 허용공차

| | | | | | |
|-----------|----|----------|------------|-----|--------------------|
| Width | 폭 | : ±5mm | Flatness | 평탄도 | : 0.5% (제품길이 또는 폭) |
| Lenght | 길이 | : +10mm | Squareness | 직각도 | : ±5mm |
| Thickness | 두께 | : ±0.2mm | | | |

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