

# SPC panel™

Aluminium Composite

صنع في المملكة العربية السعودية



# -Data Sheet

## 1-Product Description

Alsaeed panel (ACP) is a high performance product consisting of two sheets of Aluminum bonded permanently to each side of an extruded thermoplastic compound core material made of low-density polyethylene core. It is a simple concept resulting in an extraordinarily flat and highly formable material with an excellent strength to weight ratio

## 2-Product Composition

Alsaeed panel -ACP is basically composed of the following materials:

### 1-Aluminum Sheets

- Two high-strength aluminum sheets are bonded to each side of the core, providing excellent tensile strength, yield strength, and elongation properties.  
Offers superior corrosion resistance, ensuring durability in harsh environmental conditions.

Type of Alloy	3003 H24
Thickness	0.50MM   0.40MM   0.35MM

### 2-Polyvinylidene Difluoride (PVDF+HDPE) Coating

- High-performance fluoropolymer coating that delivers outstanding resistance to UV radiation, chemicals, heat, and environmental exposure.
- Ensures long-term gloss retention, anti-fading properties, and minimal chalking, making it an ideal solution for architectural and industrial applications.

### 3-Core Material (FR)

- Fire-Resistant (FR) Core:** Composed of mineral-filled compounds for enhanced fire retardancy, compliant with international fire safety standards such as ISO 11925-2 and EN 13501-1. The FR core significantly reduces flammability, smoke emission, and fire spread, making it ideal for high-rise buildings and safety-sensitive projects.

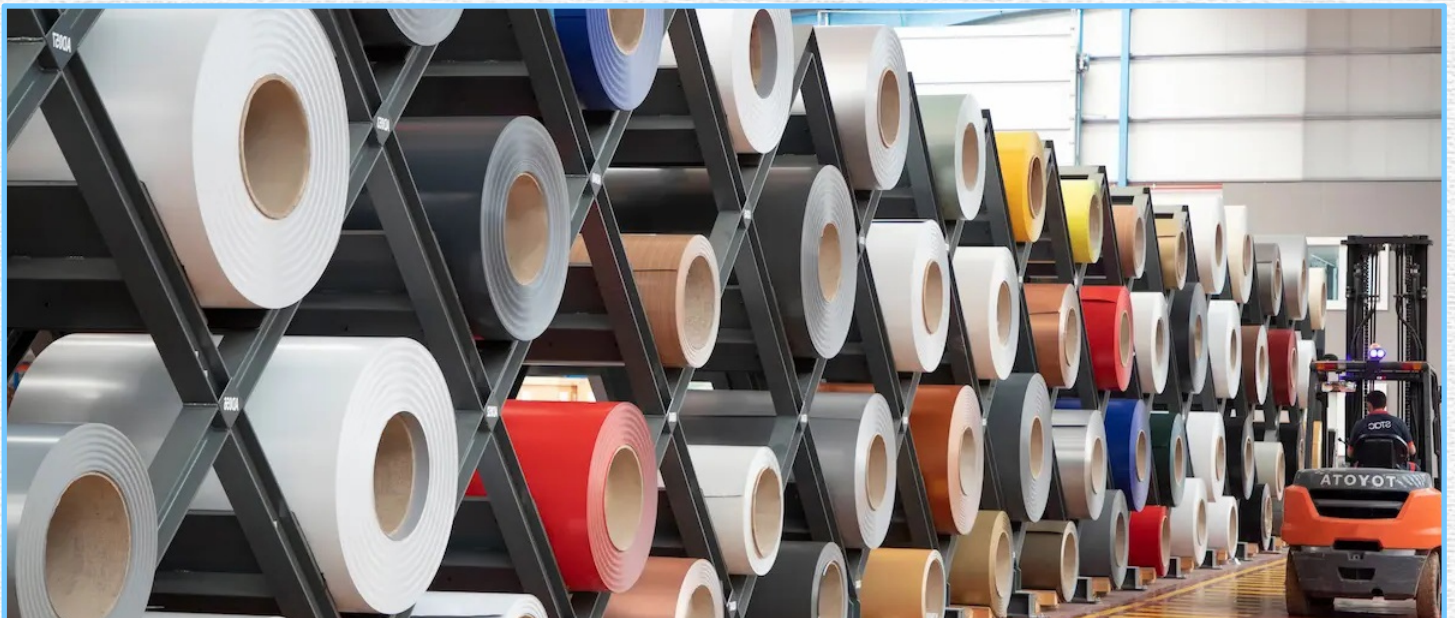
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## 4-Adhesive Film

- High-performance bonding layer designed for strong adhesion between aluminum sheets and the core.
- Provides long-term durability, thermal stability, and resistance to delamination under varying environmental conditions.

## 5-Protective Film

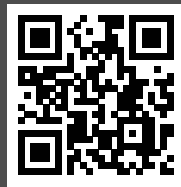
- Surface protection layer applied over the aluminum panels to preserve finish quality during handling, transportation, and installation.
- Easy to peel off without leaving residues, ensuring a pristine surface upon removal.



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[www.al-saeedpanel.com](http://www.al-saeedpanel.com)



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