



## **Technical Data Sheet ACM .012" /3mm**

### **Panel Dimensions**

|                              |               |
|------------------------------|---------------|
| Panel Thickness              | 3mm           |
| Aluminum Thickness           | .012"         |
| Weight (lb/ft <sup>2</sup> ) | 0.91          |
| Standard Widths              | 48", 60", 79" |

### **Dimensional Tolerances**

|                    |            |
|--------------------|------------|
| Panel Thickness    | +/- .008"  |
| Aluminum Thickness | +/- .0008" |
| Width              | -0; +.08"  |
| Length             | -0; +.12"  |
| Diagonal           | +/- .20"   |

### **Surface Properties**

|                          |                                                       |
|--------------------------|-------------------------------------------------------|
| Paint                    | PE (Polyester)Black gloss/ black matte                |
| Paint Thickness          | 17-20 microns                                         |
| Pencil Hardness          | ≥2H                                                   |
| Toughness of Coating     | ≤2T                                                   |
| Impact Strength          | 30kg*cm (no crack in paint)                           |
| Boiling Water Resistance | Boiling for 2 hours no change                         |
| Solvent Resistance       | Cleaned 200 times with Dimethylbenzene without change |
| Acid resistance          | Immerse surface in 2%HCL for 24 hours without change  |
| Alkali resistance        | Immerse surface in 2%NaOH for 24 hours without change |
| Cleaning resistance      | >1000 times without change                            |
| Peel Strength            | ≥3N/mm                                                |

### **Mechanical Properties**

|                              |              |
|------------------------------|--------------|
| Sound Absorption NRC         | 0.05         |
| Sound Attenuation RW DB      | 24           |
| Water Absorption % By Volume | 0.01         |
| Core Composition             | Polyethylene |