

## ALBOND® FR ALUMINIUM COMPOSITE PANEL

### ALBOND® FR PRODUCTION TOLERANCES

THICKNESS	± 0.2 mm
WIDTH	+2 / 0 mm
LENGTH	+4 / 0 mm
DIAGONAL	Max.3 mm

### ALBOND® FR PRODUCTION SIZES

PANEL THICKNESS	3 mm / 4 mm / 5mm / 6mm
ALUMINIUM THICKNESS	0.50 mm (± 0.02)
STANDARD SIZE	4 mm X 1250mm X 3200mm
WIDTH	1000mm / 1250mm / 1500mm
LENGTH	Up to 6000 mm

### ALBOND® FR ALUMINIUM MECHANICAL & COATING SPECIFICATIONS

PLASTIC CORE	Mineral Core
FIRE CLASSIFICATION	B s1, d0
ADHESIVE	Polymer Glue
ALUMINIUM ALLOY/TEMPER	EN AW 3005 H44/H46
YIELD STRENGTH	4,1 kg/mm <sup>2</sup>
TENSILE STRENGTH	4,8 kg/mm <sup>2</sup>
ELONGATION	15% (l0=5,65 A0 <sup>12</sup> - %)
ELASTICITY MODULE MPA	70.000
COATING TYPE	PVDF
COATING THICKNESS - PRIMER	5 µm
COATING THICKNESS - TOPCOAT	20 µm
GLOSS (60°)	30 (ECCA T2) (according to order)
COLOR DIFFERENCE	ΔE < 1 (ECCA T3)
COATING ADHESION	≤GT1 Cross-Cut (ISO 2409)
PENCIL HARDNESS	≥HB (ECCA T4)
METHYL-ETHYL-KEATON RESISTANCE (MEK)	≥100 DBR (ECCA T11)
SCRATCH RESISTANCE	1 KG. (ECCA T12)
SALT SPREY TEST (1000 SA)	OK (ECCA T8)
UV RESISTANCE (1200 SA)	ΔE < 5(WHITE) (ECCA T10)
GLOSS RESISTANCE (1200 SA)	>30% (ECCA T10)