

SERBOND®FR ALUMINIUM COMPOSITE PANEL

SERBOND®FR PRODUCTION TOLERANCES

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

SERBOND®FR PRODUCTION SIZES

PANEL THICKNESS	3 mm / 4 mm
ALUMINIUM THICKNESS	0.30 mm (± 0.02)
STANDARD SIZE	3-4 mm X 1250mm X 3200mm
WIDTH	1000mm / 1250mm / 1500mm
LENGTH	Up to 6000 mm

SERBOND®FR ALUMINIUM MECHANICAL & COATING SPECIFICATIONS

PLASTIC CORE	Mineral Core
FIRE CLASSIFICATION	B s1, d0
ADHESIVE	Polymer Glue
ALUMINIUM ALLOY/TEMPER	3005 H46
YIELD STRENGTH	203 MPA
TENSILE STRENGTH	220 MPA
ELONGATION	7%
ELASTICITY MODULE MPA	70.000
COATING TYPE	POLYESTER
COATING THICKNESS - PRIMER	5 im
COATING THICKNESS - TOPCOAT	20 im (±2)
GLOSS (60°)	25 (ECCA T2) (25-85)
COLOR DIFFERENCE	AE < 1 (ECCA T3)
COATING ADHESION	%100 (ISO 2409)
PENCIL HARDNESS	H (ECCA T4)
METHYL-ETHYL-KEATON RESISTANCE (MEK)	120 OK. (ECCA T11)
SCRATCH RESISTANCE	1 KG. (ECCA T12)
SALT SPREY TEST (1000 SA)	OK (ECCA T8)
UV RESISTANCE (1200 SA)	AE < 5(WHITE) (ECCA T10)
GLOSS RESISTANCE (1200 SA)	>30% (ECCA T10)