



# TECHNICAL DATA SHEET

04.2021

## Aluminium Composite Panel DIGITAL GRADE

### PANEL DIMENSIONS

· Panel thickness [mm]	2	3
· Aluminium Skin Thickness	0.15	0,15
· Weight [kg/1sqm]	2.8	3.9
· Type of core	PE Polyethylene core	
· Standard Sizes [mm]	1500 x 3050/4050 2000 x 3000/4050	

### DIMENSIONAL TOLERANCES

PANEL THICKNESS [mm]	±0.2
ALUMINIUM THICKNESS [mm]	±0.02
WIDTH [mm]	±2
LENGHT [mm]	±3
DIAGONAL [mm]	≤5
THERMAL EXPANSION	2.4mm/m (100°C difference)
COLOR DIFFERENCE	White $\Delta E \leq 0.5$ Metallic $\Delta E \leq 1.0$ Colors $\Delta E \leq 1.5$

### SURFACE PROPERTIES

PE COATING THICKNESS [mic]	≥16
TOUGHNESS OF COATING	2T
PENCIAL HARDNESS	2H
GLOSS INITIAL VALUE	30%-90%
LACQUERING	POLIESTER
TEMPERATURE RESISTANCE	-50...+80
BOILING WATER RESISTANCE	Boiling for 2hrs without change
ACID RESISTANCE	Surface immersed in 2% HC1 for 24hrs without change
ALKIA RESISTANCE	Surface immersed in 2% NaHO for 24hrs without change
OIL RESISTANCE	Surface immersed in 20# engine Oil for 24hrs without change
SOLVENT RESISTANCE	Cleaned 100 times with Dimethylbenzene without change

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Information is intended only as a guide and is given without guarantees. Purchaser should independently determine, prior to use, the suitability of each material for their specific purpose. The purchaser must assume all risks for any use, operation and application of the material. We are liable for damage only upon the amount of the purchase price under exclusion of indirect and accidental damage. All information given serves only to describe the product and is not to be regarded as assured properties in the legal sense. Specifications subject to change without notice, errors and omissions excepted.