

NOTA BOND

ALUMINIUM COMPOSITE PANEL



**PRODUCT
CATALOG**



developing aspect of modern architecture



NOTABOND

ALUMINIUM COMPOSITE PANEL

It is possible to provide freedom for architectural building with functional, aesthetic building materials that offer vision.

NOTABOND ACP is a superiority product which provides all the features that are necessary for the architectures and designers to create original designs.

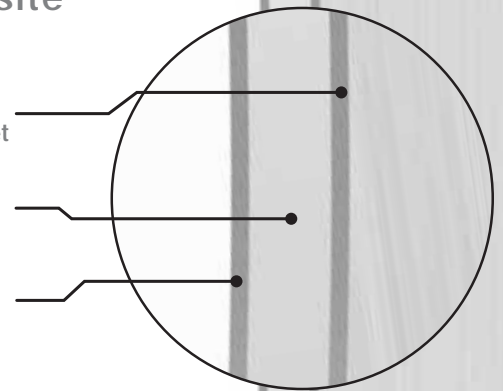
NOTABOND ACP is a panel composed of two painted aluminium sheets on two sides which are attached to a polyethylene core by using advanced fusion technology.

NOTABOND Composite For 4 mm Standard Panel

Upper side: 0.5 mm thick KYNAR 500
(27 micron) PVDF coated aluminium sheet

Core: Polyethylene (LDPE)

Back side: 0.5 mm thick coated
(5 micron) aluminium sheet



NOTABOND ACP is an aesthetic long-lasting, environmental-friendly product with its light aluminium based composite material and provides unlimited design options with reasonable prices.

STANDART DIMENSIONS :	4mm x 1250mm x 3200mm
ON REQUEST :	
Thickness :	3mm, 4mm, 6mm
Width :	1000mm, 1250mm, 1500mm
Lenght :	Every length upto 6 meters

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COATING SYSTEM

System Type

The standart PVDF (Polyvinylidene fluoride) coating system is a multi layer coating system on an aluminium pre-treated substrate. The first layer is a primer based on epoxy resins which protects the aluminium substrate for corrosion influences and which is also the adhesive coating fort he PVDF topcoat(s) contain(s) minimum of 70% Kynar, fluorocarbon resins.

Features

PVDF coating system resistant to all weather conditions provides an excellent protection against the damages of acid rains and corrosion as well as having moisture and dirt repellent qualities. With its optimum chemical thermal balance PVDF coating system maximise the flexibility, durability and impact resistance of the panels.

Colour Options

It is possible to produce all RAL, Pantone and NCS colours with NOTABOND panels which provides unlimited advantages for creating original, unique designs.

Maintenance - Cleaning

In the event that the PVDF coating system is applied for outdoor purposes, it will need no maintenance other than cleaning at least once a year with a non-aggressive cleaning product.



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NOTABOND SWATCH CARD

NOTABOND aluminium composite panels which are given with standard colour options below can be produced in all RAL, Pantone and NSC colours with PVDF coating technique.



NTB-1006
silver metallic



NTB-1001
grey metallic



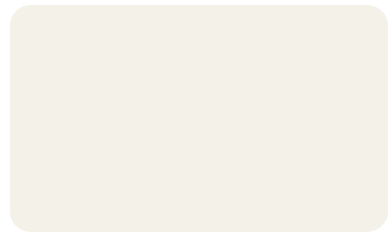
NTB-1004
bronze metallic



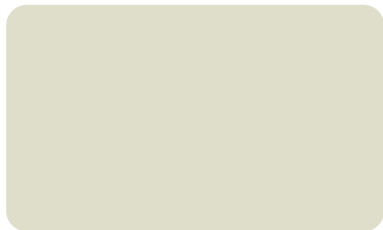
NTB-1003
champagne metallic



NTB-1008
copper metallic



NTB-2016
white



NTB-2013
cream



NTB-2032
fire red



NTB-2033
ruby red



NTB-3004
orange



NTB-2052
pasiffic blue



NTB-2021
black

*The above presented colours are printed colours therefore a difference between these and original panel colours may be seen.
*For special colours: It is necessary to control the minimum amount according to optimum painting system.

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APPLICATIONS

Providing unlimited opportunities in architecture with its ease of application, vast colour range and affordability NOTABOND aluminium composite panel, with the technology of 21. century, is perfect for many applications some of which are given below:

- External walls cladding and renovation
- Roof constructions
- Prestigious buildings and hotels
- Petrol and service stations • Airports, passenger terminals and tunnels
- Transportation and furniture sectors
- Column and beam wraps
- Exhibition stand applications
- Interior wall decorations of banks and restaurants
- Elevators and ATM machines
- Displays and billboards
- Signs, and signage





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FEATURES AND BENEFITS

RESISTANT – DURABLE – ENVIRONMENTAL FRIENDLY

- ▶ Very light compared to the equivalent wall cladding products
- ▶ Extremely durable, long-lasting and economic
- ▶ Rigid and suitable for heights
- ▶ Resistant to impact and compression
- ▶ Load minimising owing to its lightness
- ▶ Safe with its low burning rate
- ▶ Provides sound insulation with its sound wave conversion feature
- ▶ Possible thermal insulation
- ▶ Environmental friendly in terms of production, use and recycling

PVDF Coating System

- ▶ Resistant to weather conditions and UV lights
- ▶ Superior protection against corrosion
- ▶ Moisture and dirt repellent
- ▶ Optimum chemical and thermal balance
- ▶ Excellent surface smoothness
- ▶ Can be produced in all colours

Functional – Economic

- ▶ Unlimited design opportunities
- ▶ Easy workability and applicability
- ▶ Suitable to work and process in large dimensions
- ▶ Provides convenience by enabling work in construction sites
- ▶ Reasonably priced in every details
- ▶ Economy in transportation and storage costs

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TECHNICAL FEATURES

DIMENSIONS

Standart	4mm x 1250mm x 3200mm
Dimensions	
Thickness	3mm, 4mm, 6mm
Width	1000mm, 1250mm, 1500mm
Length	every length upto 6 meters

TOLERANCES

Thickness of composite panel	± 0.2 mm
Width of composite panel	0 mm / + 2.0 mm
Length of composite panel	0 mm /+ 4.0 mm
Diagonal difference	max. 3.0 mm
Linearity (on Width and length)	± 0.2 mm

NOTABOND ACP TECHNICAL

Drawing Resistance	4,8 Kg / mm ²
Flow Resistance	4,1 Kg / mm ²
Breaking Elongation	% 14
Striping Resistance	12 N / mm

WEIGHT

Thickness:	3mm	4,5 Kg / m ²
	4mm	5,5 Kg / m ²
	6mm	7,3 Kg / m ²

ALUMINIUM SHEET

TECHNICAL AND MECHANICAL FEATURES

(For a upper sheet standart 0,50mm with PVDF)

Aluminum painted	EN AW 3005 - H42, H44, H46 PVDF
Drawing Resistance	180 Mpa
Flow Resistance	170 Mpa
Elongation	3 (%)
Paint Thickness	27 µm
Brightness 60°	27(%)

Rigidity steel panel (E.J Index kn.m ² /m)	NOTABOND Aluminium composite Panel		Solid Aluminium Panel		Steel Panel	
	Thickness (mm)	Weight (kg / m ²)	Thickness (mm)	Weight (kg / m ²)	Thickness (mm)	Weight (kg / m ²)
0.125 KN m ² /m	3	4,6	2.7	7,3	1.9	14,8
0.240 KN m ² /m	4	5,5	3.3	8,9	2.4	18,7
0.509 KN m ² /m	6	7,4	4.5	12,2	3.2	25,4

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SHAPING PROCEDURES

Sawing



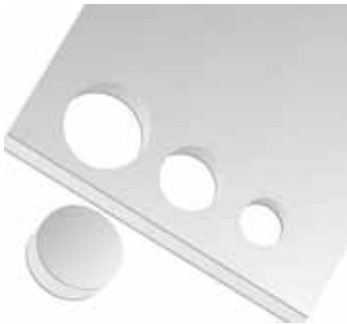
Shearing



Miling



Punching



Cutting Punching



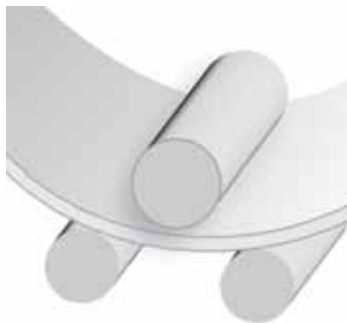
Contour Cutting



Drilling



Roll bending



Bending



Riveting



Screwing



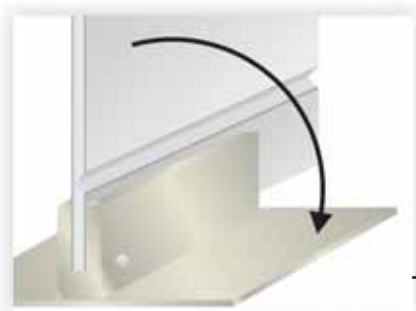
Gluing



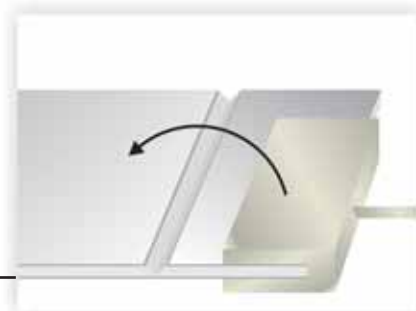
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SHAPING PROCEDURES

Clamping



Clamping

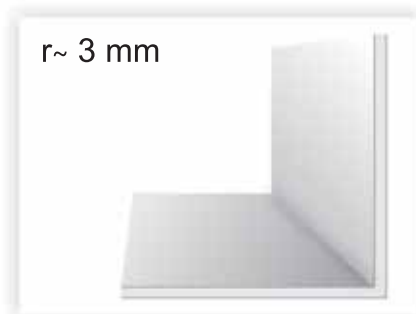


Welding



TECHNICALS

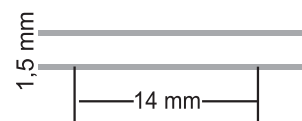
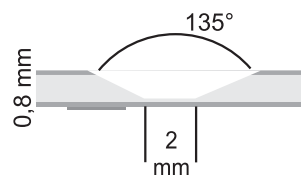
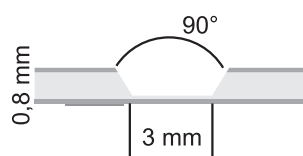
r~ 3 mm



r~ 2 mm



r~ 7 mm



PROCESSING METHODS



