

GO GREEN !! NEW EDGE HPL FACADE



Reznoclad[®]
exterior hpl

A modern house with a prominent section of its exterior wall clad in horizontal wooden slats, identified as Reznoclad. The house has a dark roof and large windows. A large tree is visible to the left, and a clear sky with some clouds is above. A blue text box is overlaid on the lower part of the image.

ABOUT REZNOCLAD

Reznoclad is self-supporting high pressure laminate (HPL) with a decorative surface that is suitable for exteriors. It is fade resistant weather-proof and complies with standard EN 438.

It is entirely made up of layers of phenolic resin & impregnated craft papers with top decorative layer and UV protective film.

The manufacturing process involves the combining of papers with applications of high heat (150°C) and high pressure (9 Mpa) in which resin polycondensation takes place. One or both sides can be decorative mixed with the phenolic resins.



TYPES OF EXTERIOR PANELS

REZNOCLAD panels are available in the following grades for their suitability as per the required applications.

- Exterior Cladding Panels (Fire Retardant)
- Exterior Cladding Panels
- Exterior Cladding Panels (With Anti-graffiti)



APPLICATION

REZNOCLAD panels are extremely durable with international styling and a wide range of colours available on both horizontal and vertical designs. Its excellent technical properties make it suitable for the building industries as an ideal alternative to traditional materials.

- Wall and facade linings • Cladding or exhibition building
 - Sporting and entertainment complexes
- Decoration of commercial sites • Residential dwellings
 - silhouette profiles • fences • Facade Claddings
- Balcony Claddings • Partitions • Rear ventilated facades
 - Ceilings • Outdoor furniture • Public facilities
- Playground facilities • Sport facilities • Sun protection
 - Business entry portals • Functional constructions
 - Attic Cladding • Awnings



CHARACTERISTICS

- Resistance to UV rays
- Resistance to atmospheric conditions
- Resistance to swelling in boiling water
- Fire-resistance
- Physical resistance to strikes and abrasion
- Chemical resistance to mild acids, rain, air pollution
- Wide range of colors and patterns
- Easy to care and repair
- Do not contain any harmful substances



- Maximum light fasten
- Overall lightweight substructure and facade
- dimensional stability and flatness
- Light weight facade system
- Easier perforation



Easy to
Clean



Moisture
Resistance



Strike
Resistance



Chemical Effects
Resistance



Abrasion
Resistance



High Heat &
Fire Resistance

CLEANING & MAINTENANCE

The protective film applied at factory must be removed from the surface of the panel immediately after installation to the facade. The surface of reznoclad panels repels dust, however over the time it may be necessary to clean their surface with soapy water for better aesthetic over time.

WARRANTIES

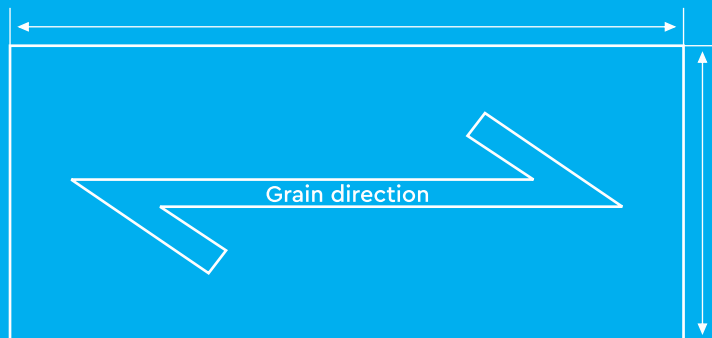
With practical experience over many years and the high quality of Reznoclad HPL Panels, warranties are available both for the product range in general and for specific projects. More information can be obtained from your local representative.

REGULAR SIZES

3050*1300*6mm
2440*1220*6mm

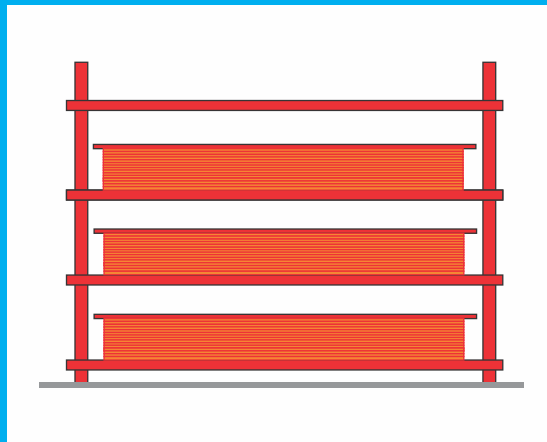
Thickness

On demand: 4 to 20mm



ENVIRONMENT

Reznoclad is committed to continuous improvement of environmental performances. These panels are not hazardous to health and does not pollute the environment. It is made up of 70% cellulose fibers and 30% thermosetting resins and does not contain asbestos or heavy metals. These panels does not emit gases, fumes, solvents or liquid substances.



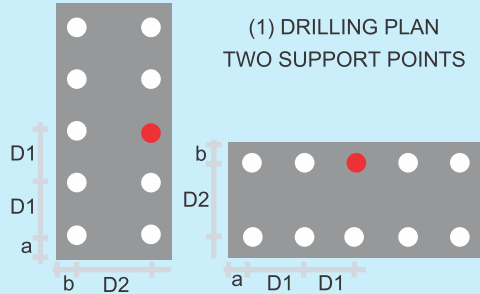
HANDLING & STORAGES

Reznoclad panel comes with a film on top layer for protection during transportation. During stocking, panels must be stacked horizontally on flat, stable shelves, the panels to be stored in closed rooms under dry, normal climatic conditions. Cover plates must always be left on the stack. The cover should be weighted down. Any form of dirt or dust between the panels must definitely be avoided. Panels must be lifted and not pushed or pulled over the edge when carrying or loading.

For climate differences, keep panels waiting for 24 hours in new climate conditions. With pre-installed fastening elements, care is to be take that the climatic effect is uniform on all sides. Use intermediate layers of wood or plastic.

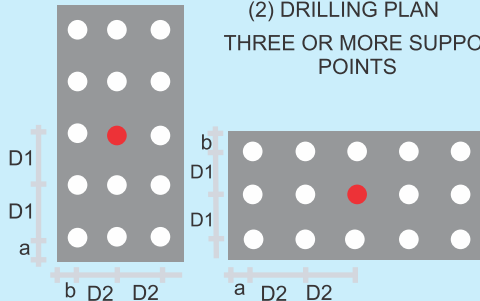
Installation System

(1) DRILLING PLAN
TWO SUPPORT POINTS



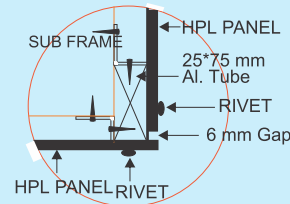
Thickness (mm)	MAX D1 (mm)	MAX D2 (mm)	a (mm)	b (mm)
6	500	500	20-80	20-40
8	650	650	20-80	20-40
10	800	800	20-90	20-50

(2) DRILLING PLAN
THREE OR MORE SUPPORT POINTS

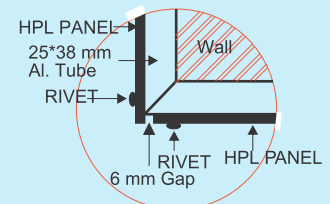


Thickness (mm)	MAX D1 (mm)	MAX D2 (mm)	a (mm)	b (mm)
6	550	550	20-80	20-40
8	700	700	20-80	20-40
10	950	950	20-90	20-60

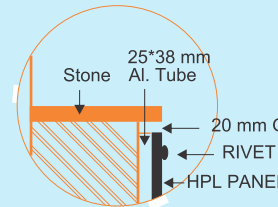
Fixing Details



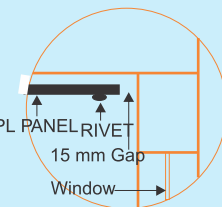
DETAIL VERTICAL CORNER



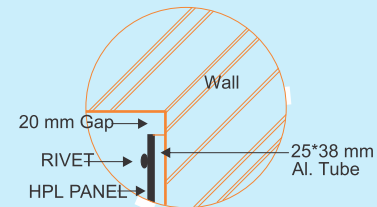
DETAIL HORIZONTAL DROP



DETAIL TOP STONE PARAPET

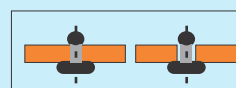


DETAIL INSIDE CORNER



CEILING JOINT

Fixed Points Sliding Points



● Fixed Point - 5 mm
○ Sliding Point - 8 mm
(For expansion of panel)

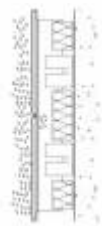
RIVET FIXING SYSTEM



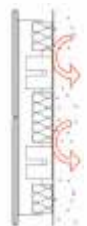
BREATHABLE FACADE FOR HEALTHIER BUILDINGS- REZNOCLAD HPL IS HIGHLY SUITED FOR VENTILATED FACADE SYSTEMS.



PERMEABILITY



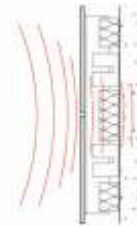
WATER PROTECTION



THERMAL INSULATION
(ELEMENTATION OF
HEAT BRIDGE)



SOLAR PROTECTION



ACOUSTIC PROTECTION

ACCESSORIES FOR CLADDING



Cutting Machine



Rivet Gun



Drilling Machine



Aluminium C+ Rail



U Bracket



L Bracket



Silicone Tube



T-Section



Box Section



Dead Load Bracket



Wind Load Bracket



Industrial Tape



Mouth Piece



Fastener



Nut Bolt



Self Drilling Screws



Rivets



Pliers



Hammer



Screw Drivers

WOODEN DECOR



9334



9344



9354

WOODEN DECOR



9370



9391



9394

WOODEN DECOR



9313



9320



9370



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WOODEN DECOR



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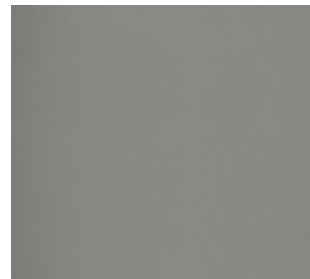


9391

SOLID & STONE DECOR



9420



9421



9423



9807



9814



9815

TECHNICAL SPECIFICATION

S. No.	PROPERTIES	TEST METHOD	ATTRIBUTES OF PERFORMANCE	UNITS OF MEASUREMENT	RESULTS (AS PER EN438-6)
1.	Surface Quality				
1.1	Surface Quality	EN 438-2.4	Spots, dirt and similar surface	mm ² /m ²	≤ 2
			Fibres, hairs & scratches	mm ² /m ²	≤ 20
2.	Dimensional Properties				
2.1	Thickness	EN 438-2.5	Thickness Tolerance	mm	5≤T< 8: + 0, 4
2.2	Size	EN 438-2.6	Length and Width	mm	+10/-0
	Straightness of edge	EN 438-2.7	Straightness of edges	mm/m	≤1,5
	Squareness	EN 438-2.8	Squareness	mm/m	≤1,5
	Flatness	EN 438-2.9	Flatness (measured on full-size sheet)	mm/m	6.0 ≤T< 10,0:5
3.	Physical Properties				
3.1	Flexual Modulus	EN ISO 1 78	Stress	Mpa	≥ 9000
3.2	Flexual Strength	EN ISO 1 78	Stress	Mpa	≥ 80
3.3	Tensile Strength	EN ISO 527-2	Stress	Mpa	≥ 60
3.4	Density	EN ISO 1183	Density	gm/cm ³	≥ 1,35
3.5	Resistance to impact with large diameter bill	EN 438-2.21	Indent dia. 10mm 2 ≤ T < 6mm Drop Height	min.	≥ 1400
			Indent dia. 10mm T ≥ 6mm - Drop Height	min.	≥ 1800
3.6	Resistance to Wet Conditions	EN 438-2.15	Mass increase - 2 ≤ T < 5mm	max. %	EGS-≤7, EGF- ≤ 10
			Mass increase - T ≥ 5mm	max. %	EGS-≤7, EGF- ≤ 10
			Appearance	Rating	≥ 4
3.7	Dimensional Stability at elevated temperatures	EN 438-2.17	Cumulative dimensional change -2 ≤ T < 5mm	Longitudinal %	≤0.40
				Transversal %	≤ 0.80
			Cumulative dimensional change -T ≥ 5mm	Longitudinal %	≤0.30
				Transversal %	≤0.60
4.	Weather Resistance Requirements				
4.1	Resistance to Climatic Shock	EN 438-2.19	Thermal Shock Resistance- Appearance	Rating	≥ 4
4.2	Resistance to Artificial	EN 438-2.29	Contrast	Grey Scale Rating	≥ 3
	Weathering		Appearance	Rating	≥ 4
5.	Fire Performances				
5.1	Fire Reaction Classification	EN 135 01	Test as per EN 13823 (SBI Test) and EN ISO 11925 - 2 (Small-burner Test)		
			Classification - 3 ≤ T < 6mm	Classification	B-s2, d0
			Classification - 6 ≤ T < 13mm	Classification	B-s1, d0

REZNOCLAD PROJECTS













100 % UV Protected

Reznoclad[®]
exterior hpl

Authorised Dealer

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