RHE

ROYAL HPL EXTERIOR CLADDING

RHE ROYAL HPL EXTERIOR CLADDING

Lumber

RHE

ROYAL HPL EXTERIOR CLADDING

RHE
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SMOG & POLLUTION

HEAVY RAINFALL

INDIAN WEATHER TESTED

CHILLY WINTERS

INTENSE HEAT

Lumber

RHE
ROYAL HPL EXTERIOR CLADDING

THE ALL-WEATHER CHAMPION

Whether it is the intense heat wave of Rajasthan, frosty winters of jammu & kashmir or the endless showers of Mawsynram, india is a country of extremes. it experiences ever changing climates and divers weather conditions beyond normal levels. To ensure a high-end, smart and long-lasting solution to all such outer influences, Advance Laminate offers you its premium range of Advance Laminate Exterior Wall cladding which is designed to withstand these drastic climatic conditions that this tropical sub-continet possesses. These come in an assortment of high-quality luxurious designs with subtle variations that not just add style to your surroundings but also resist the damages that these conditions try to inflict. All in all, it's a range that it exclusively made in india.

CITY
46˚C

CITY
24˚C

CITY
10˚C

CITY
43˚C

About us

Welcome to the great new world of

ROYAL HPL RHE

At Royal HPL, we succeed at achieving in every home and business, a unique balance with our fabulous range of Laminates

Royal HPL Exterior Grade Laminates has a Warranty for 10 years from the date of delivery of the product to the buyer within the framework of the properties mentioned in Test Standard


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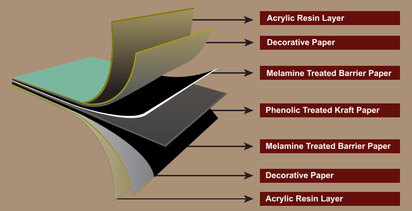
RHE ROYAL HPL CONSTRUCTION

RHE
ROYAL HPL EXTERIOR CLADDING



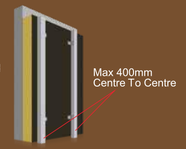
TECHNICAL SPECIFICATION

(Exterior Grade Laminate - ROYAL HPL EXTERIOR CLADDING)

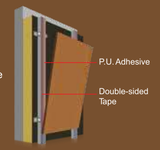
Properties	Test Method	Attributes/ Property	Unit	Standard Value	Test Value
Thickness	EN 438 2-5	6.0 < e < 8.0	mm	Tol 0.4	Tol ± 0.4
Length & Width	EN 438 2-6	Panel	mm	(+10-0	(+10-0
Edge Straightness	EN 438 2-7	Panel	mm	< 1.5	< 1.5
Squareness	EN 438 2-8	Panel	mm/m	< 1.5	< 1.5
Flatness	EN 438 2-9	6.0 < e < 8.0	mm	< 5.0	< 5.0
Density	ISO 1183	Mass	g/cm3	< 1.35	> 1.4
Wear Resistance	EN 438-2 10	Abrassion Resistance	Revolution	350 >	400 Rev.
Impact Resistance (Large Diameter Ball)	EN 438-2 21	Dropped ball 6 < 6 mm	mm	1800mm height - no crack 10 mm Max.	1800m height - no crack 10 mm Max.
Dry Heat Resistance	EN 438-2 16	Resistance to Dry Heat at 180° C	Appearance	Min. Level 4	Level 5
Resistance to Boiling Water	EN 438-2 12T T < 5.0 mm	Moisture Resistance	% Mass Increase % Thickness Increase Min. Level Appearance	Max. 2% in weight Max. 2% in thickness Level 4	< W = 0.8% < T = 0.8% Level 5
Mechanical Properties					
Modules of Elasticity	ISO 178	Strength	Mpa	< 9000	< 9000
Flexural Strength	ISO 178	Strength	Mpa	> 80	< 90
Tensile Strength	EN ISO 527-2	Strength	Mpa	< 60	< 70

ADHESIVE FIXATION SYSTEM

STEP 1
Assembling of M.S. galvanized bracket and fasteners on load bearing structure.

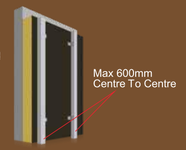


STEP 2
recommended P.U. adhesive and VHB tape on primed surface of aluminium extrusion.

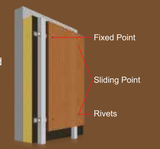


RIVET FIXATION SYSTEM

STEP 3
Assembling of M.S. galvanized bracket and fasteners on load bearing structure.



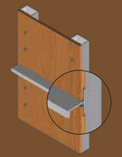
STEP 4
Detail of fixed point and sliding points on the panel.



OTHER FIXATIONS

Undercut concealed fixation

'h'-clip concealed fixation



Rainwater drainage fixation

Duct cladding

FABRICATION GUIDELINES FOR EXTERIOR GRADE LAMINATES

1 - Thickness of Exterior grade laminate should not be less than 6 mm.
2 - Exterior grade panel cut width for use should be minimum 200 mm.
3 - Installed exterior grade marginal gap between two panels should not be less than 6 mm.
4 - Back supporting Aluminium section for installation of exterior panel should not be less than 36/25mm in a width/Thickness .At the joint of two panels its width/thickness should not be less than 50/25 mm.
5 - Back Supporting Aluminium structure should be of a good quality material.
6 - Riveting gap on the cut panels should be maximum 400mm & marginal riveting gap should be minimum 25/12.5 mm inner side (25mm from top/bottom & 12.5mm from the side) on the panel.
7 - Hole on the panel for fixing rivet should be extra up to 2 - 3mm in diameter than the rivet thickness (i.e. if rivet thickness is 5mm then hole size will be 7mm) so that it can adjust the contraction & expansion of the panel & also too address marginal cracking issues.
8 - Hole on Aluminium section for rivet fixing should be exact to the rivet thickness; extra hole may lead loose fasting
9 - Please don't use organic solvent for cleaning of panel. We suggest using mild detergent only.

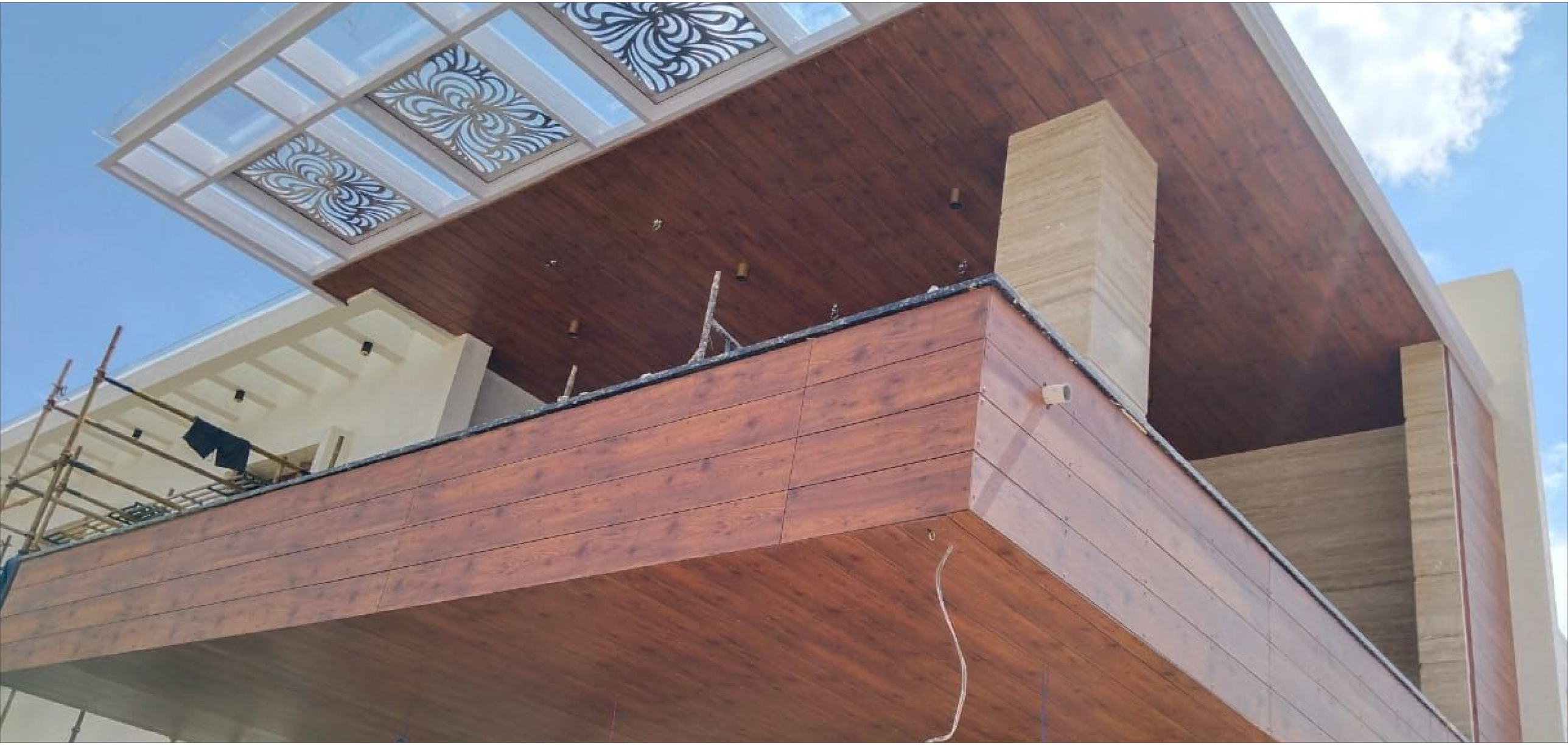
AIRPORT TERMINALS

DISCOTHEQUE

INDUSTRIES


Sindhu's
Abode
NGC-#73


NOTHING



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