

OPTEMA

COMPACT • EXTERIOR • PENAL

**THE
DYNAMIC
COLLECTION
FOR
FACADE**

OPTEMA

COMPACT EXTERIOR
PANELS 100% UV COATED





OPTEMA COMPACT EXTERIOR PANELS

Optema Compact Exterior Panel High Pressure Laminate (HPL) panels have a decorative surface that is suitable for exteriors. Special quality resins provide extremely effective weather protection to external facades. These HPL are produced in lamination presses under high pressure and temperature. They are resistant to colour fading and weather-proof with special protection.

GERMAN TECHNOLOGY

Optema, takes pride in creating innovative Designs & Texture providing inspiration to designers.

Simultaneously improving chemistry of Laminates has always been primary focus of the company & for this purpose New Technologies have been purchased by the company, including recently from:

- Maxer Technology.
- Pietro Casaghi (Through Tocchio, Italy).
- Platt's Laminates Technologies.
- Life-Material for Anti-bacterial, Anti-fungus technology.





APPLICATIONS

Optema Compact Exterior Panels Extremely Durable with international styling and a wide range of colours available in both horizontal vertical designs. Its excellent technical properties make it suitable for the building industry as an idea alternative to traditional materials.

- Wall and façade linings
- Cladding of exhibition buildings
- Sporting and entertainment complexes
- Decoration of commercial sites
- Residential dwellings
- Silhouette profiles
- Fences
- Façade Claddings
- Balcony Claddings
- Partitions
- Rear ventilated
- Ceilings
- Outdoor furniture
- Public facilities
- Playground facilities
- Sports facilities
- Sun protection
- Business entry portals
- Functional constructions
- Attic claddings
- Awnings



RAW MATERIAL SOURCING

All the papers including overlay decorative papers (printed or solid) are sourced from world's best European suppliers and satisfactory quality acceptable to European & American markets. We source our decorative papers from Suddekar, Schatt décor, Chiyoda (Japan), Chiyoda (Europe), e2p France, Arjo Wiggins and techno cell all foils are sourced by the company from Feron, Germany. Even Kraft papers to uniformity to resin absorption & for right cutting quality are sourced from Enso-Finland & Kapstone (USA).

ADVANTAGE



Easy to Clean



Scratch Resistant



Double Hardened



Extremely Weather Resistant



Optema Light-Fastness



Solvent Resistant



Easy to Install



Impact Resistant



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OPTEMA DESIGN

Optema quality design and innovation are of utmost important to us. However, our respect for nature is even more important being both our source of material and our inspiration. we work to promote sustainable construction by maximizing well being with environmental efficiency in building projects.





QUALITY INSPECTION

All the parameters of specifications are regularly checked for each consignment on regular basis & it is ensured that Laminates are confirming EN 438 & NEMA LD3. All testing equipments are perfectly at place for entire testing of incoming raw material in process production as well as testing of final laminate product that goes to customers. All these parameters are strictly followed & maintained to ensure full customer satisfaction about quality.

TECHNICAL SPECIFICATION

Sr. No	Properties	Unit	Requirement as per EN438:2005	Optema Conforms
1.	Thickness Length/Width	6 MM 2440 X1220 mm	(+0.50 mm) (+10,-0 mm)	✓
2.	Appearance		Should be free from foreign particles	✓
3.	Density	Kg/cm ³	>1.35	1.40
4.	Boiling water Resistance	Mass% Max Thickness % Max	<2% <2%	1% 1%
5.	Wear Resistance	Cycles	350 (minimum)	400 cycles
6.	Resistance to dry heat@ 180°C	Grade	Not worse than 3	✓
7.	Dimensional Stability	% Max-"L" % Max-"T"	0.55(Max) 1.05(Max)	✓
8.	Resistance to water Vapour	Appearance	Not Worse than 4	✓
9.	Cigarette Resistance	Grade	Not worse than 3	
10.	Resistance to impact by large diameter ball	Drop Height Indent Diameter	800 mm 10 mm	More than 1000 No Dent
11.	Resistance to crazing @80° C in Oven	Appearance	Not worse than 4	
12.	Resistance to Staining	Appearance Group 1 & 2 Group 3 & 4	Not Worse 5 4	✓



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R-757 NATURAL IPE



R-716 FOREST WOOD



R- 803 NOUGHTY PINE



R-7720 BROWN WALNUT



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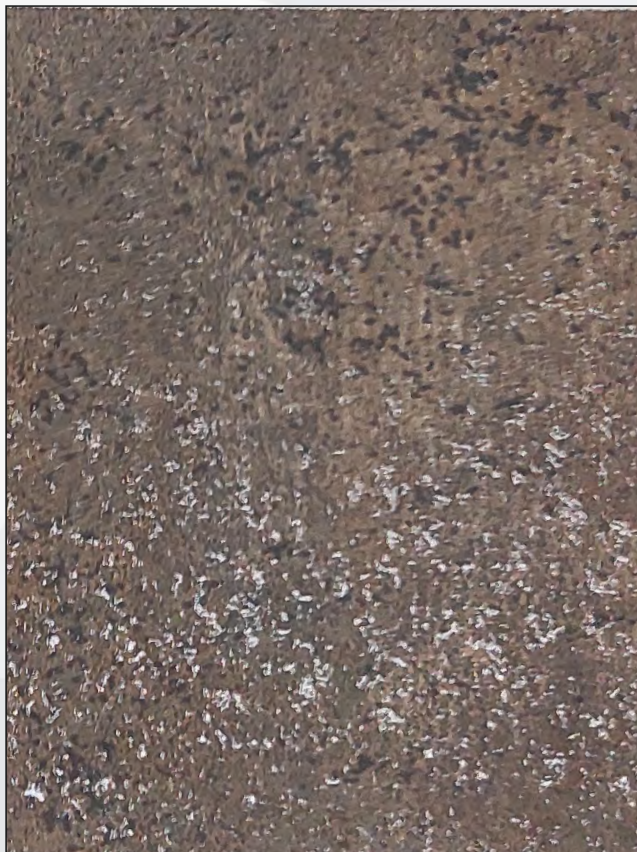
A-8511 CT RUSTIC BROWN



A-8512 CT RUSTIC GREY



A-5271 CT PATINA TIN



A-5272 CT PATINA BRONZE



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R-709 STX-SKYLINE CONCRETE



R-708 STX-RIVER SIDE STONE



A 942-N32 BEIGE SAND STONE



A 944-N32 GREY SAND STONE



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A 943-N32 SOFT SAND GREY



A 8505-N32 LIGHT BROWN SAND



A 8506-N32 DARK BROWN SAND



A 708-N23 ROTHSON BROWN

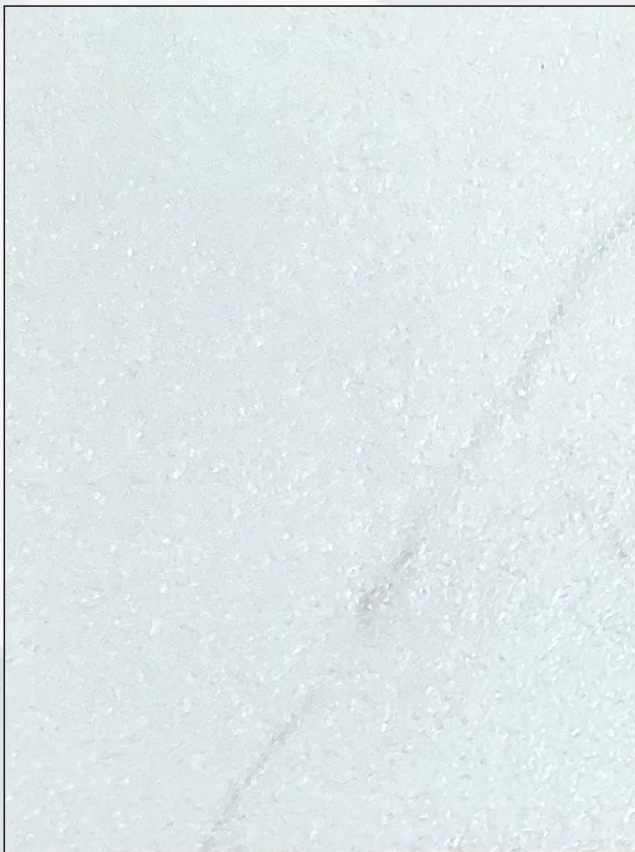


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A 705-N23 ARMANI BEGIE



A 707-N23 NERO VENATO



R-556 NATURAL OAK



R-569 AMERICAN WALNUT



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R-522 RED OAK



R-593 DARK WALNUT



R-515 RICH WALNUT



R-521 LIGHT OAK



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R-558 LIGHT WALNUT



R-512 LIGHT AFRO WOOD



R-731 MARSH LAND OAK

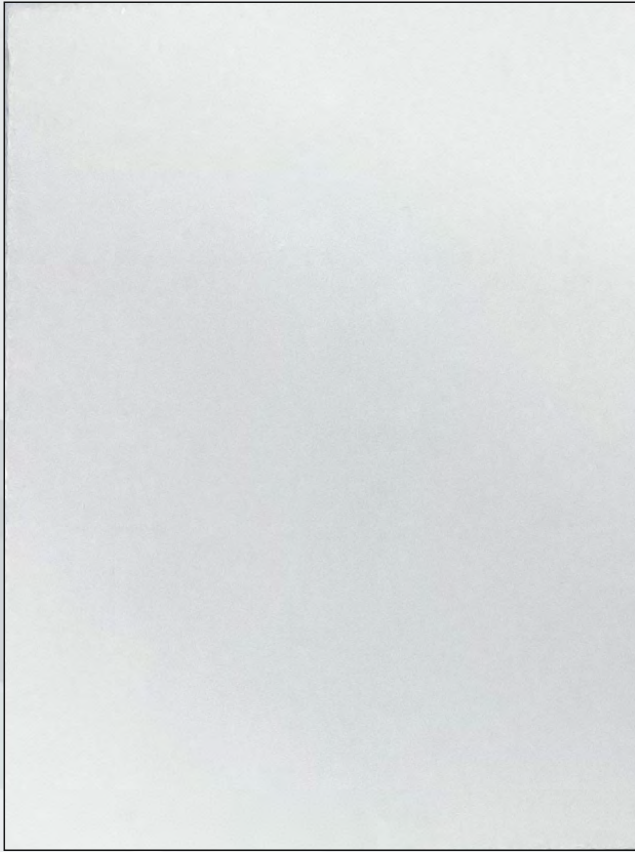


R-710 POLLAR OAK



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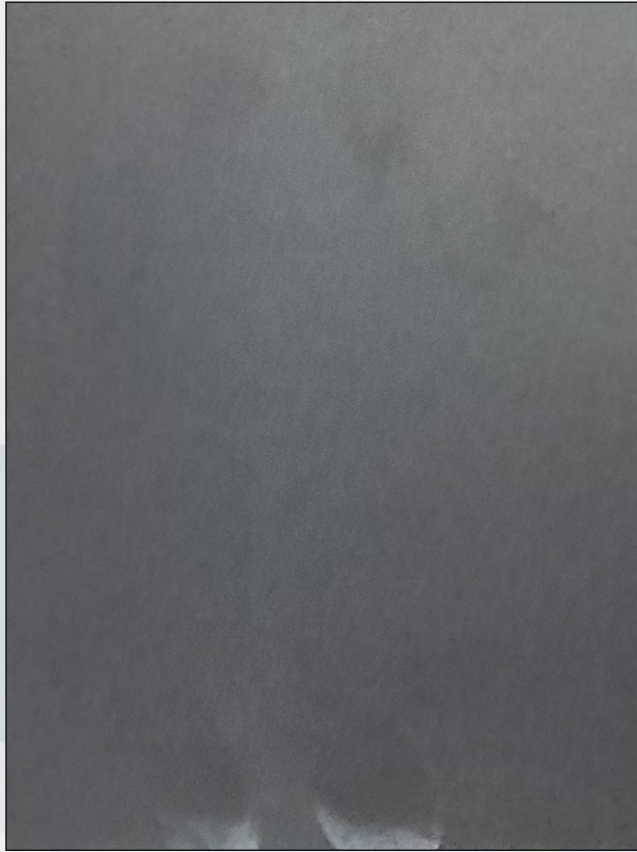
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R-911 FROSTY WHITE



R-905 LIGHT GREY



R-932 DARK GREY



R-906 Z BLACK



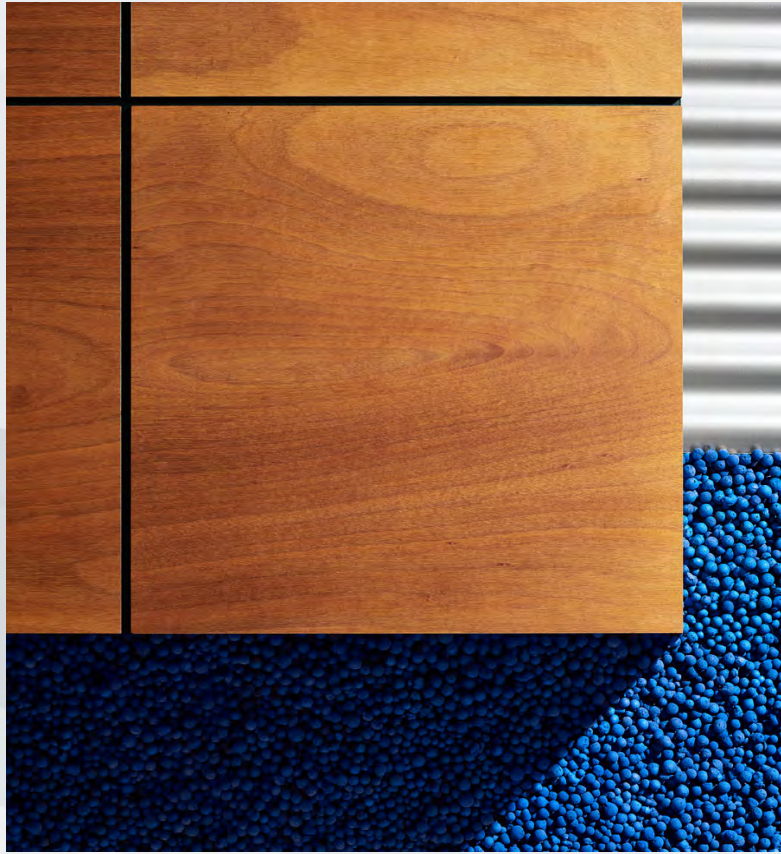
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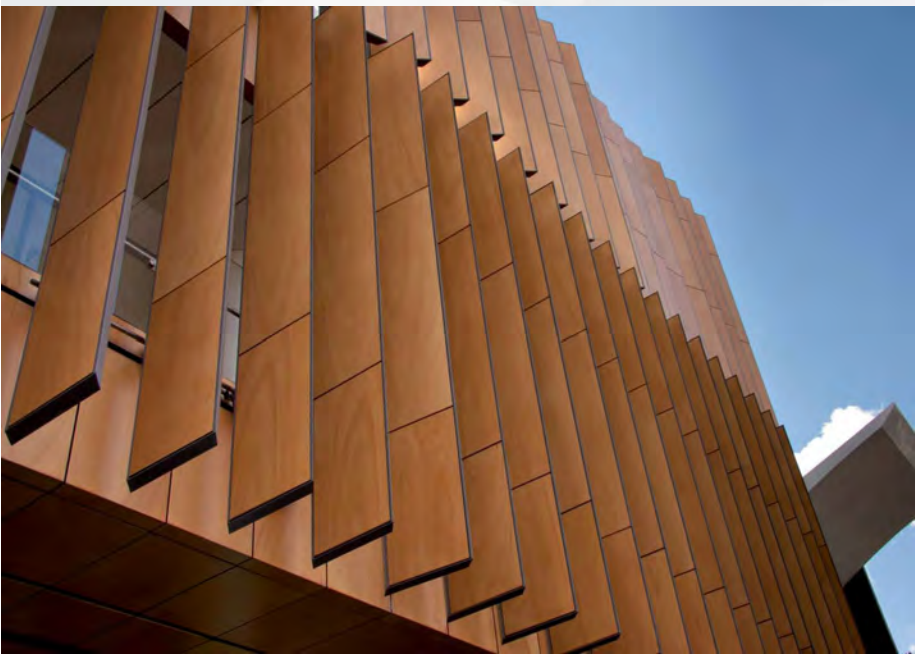
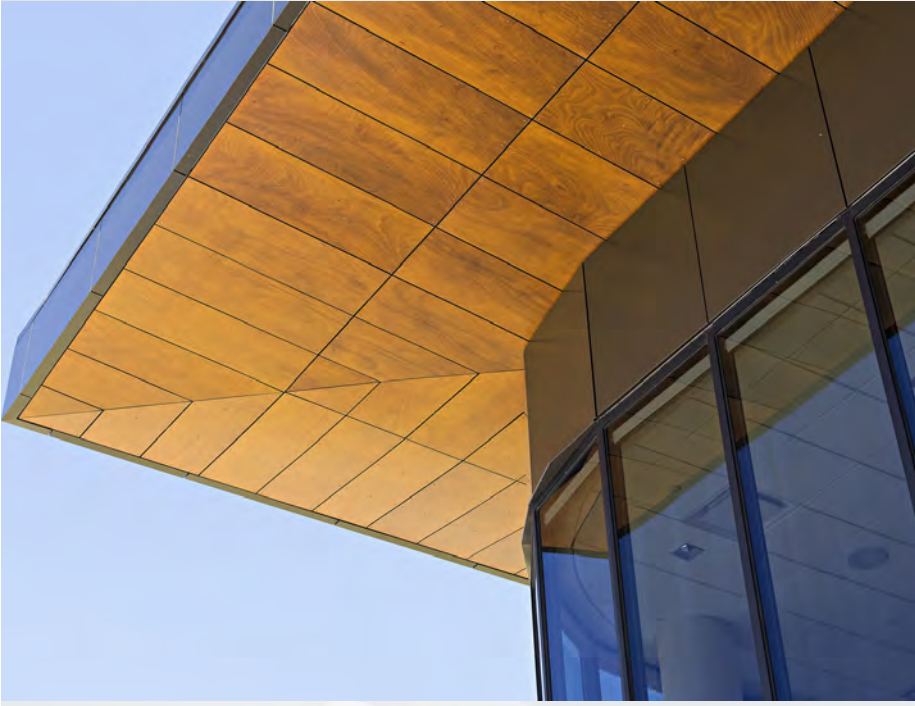
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