

RE DEFINE
BEAUTY

www.uroneelindia.com

EXPRESSIONS
for the new millennium

URONEEL HPL *Series*



Uroneel[®]

ALUMINIUM PANEL SHEET

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ISO 9001:2015 CERTIFIED CO



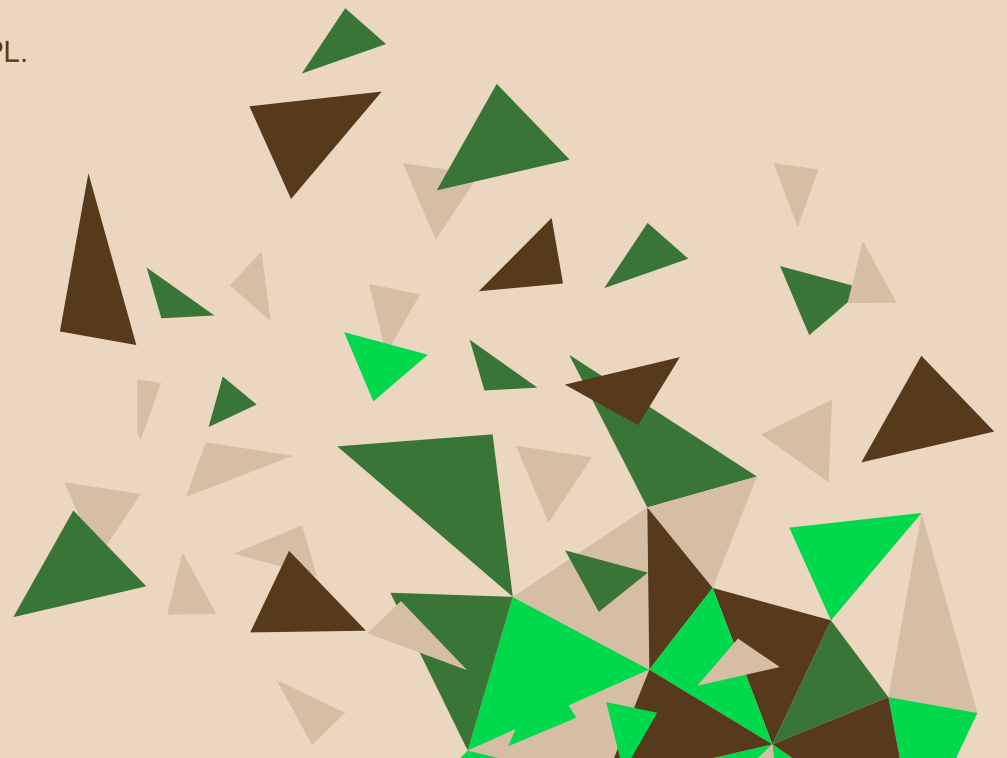
URONEEL HPL *Series* ALUMINIUM PANEL SHEET

For over a decade, Uroneel has been a name to reckon with in the construction industry. Trusted by experts for bringing innovation and quality, Uroneel seeks to create products that inspire and build structures that impress. In line with its exceptional Aluminium Composite Panel range, Uroneel now present an exquisite selections of High Pressure Laminates Uroneel HPL. A Versatile product that's durable with gorgeous finish and texture.

Uroneel HPL is all-weather friendly, making it perfect for a variety of interior and exterior applications including, Cladding, Canopy, Railing, Fencing, Doors, etc.

Uroneel HPL is made with excellent virgin quality material with double-layered PVDF Aluminium coating. This offers impeccable bonding and higher resilience.

A unique feature of Uroneel HPL is its Brown core colour, which resembles its Coil's base colour. This makes it look elegant apart from the assured quality which Uroneel HPL offers and is also easy to install.

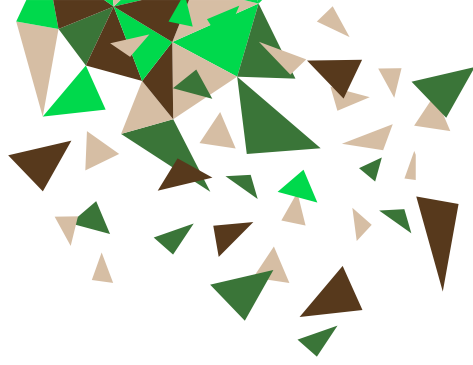


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URONEEL HBL
Series

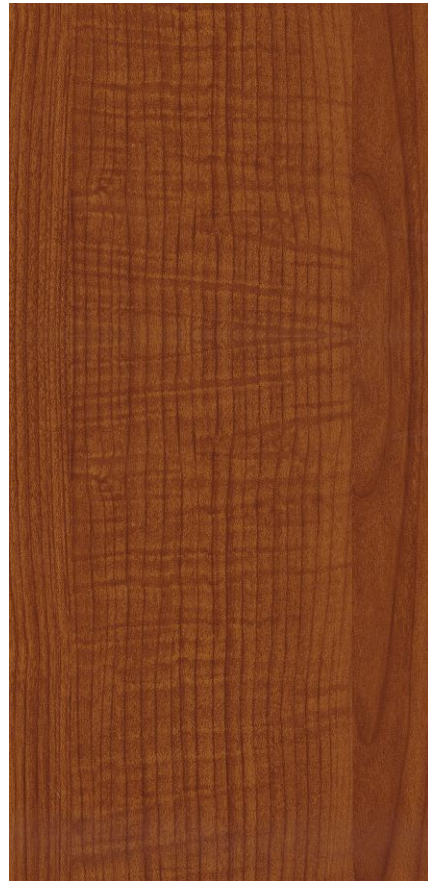
**ALUMINIUM
PANEL SHEET**



EXTERIOR HPL *Series*



UN 801 - MEXICAN TEAK



UN 802 - CANADIAN CHERRY



UN 803 - GREENLAND WALNUT



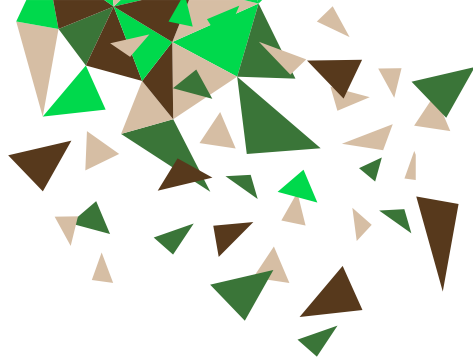
UN 804 - BRAZILIAN WALNUT

6RHPL (6MM 0.25)

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ALUMINIUM
PANEL SHEET



EXTERIOR HPL *Series*



UN 805 - AFRICAN SAPELE



UN 806 - CONGO SAPELE



UN 807 - FINLAND CHERRY



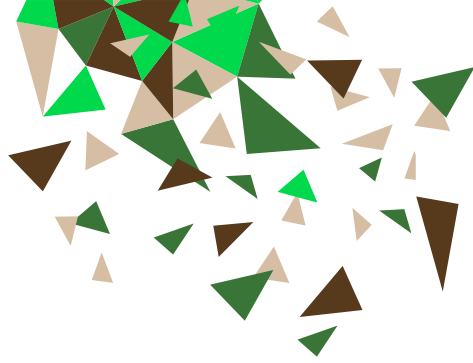
UN 808 - EBONY

Batchwise colours may differ. Please ask for sample. Color, designs & texture subject to change without notice

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ALUMINIUM
PANEL SHEET



EXTERIOR HPL *Series*



UN 809 - GEMINI OAK



UN 810 - PRINCE WOOD



UN 815 - ROSE WOOD



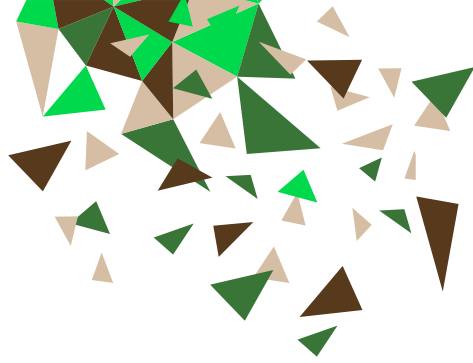
UN 816 - BURMA TEAK

6RHPL (6MM 0.25)

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EXTERIOR HPL *Series*



UN 817 - CALIFORNIA WALNUT



UN 818 - SMOKED WALNUT



UN 819 - BURN WALNUT



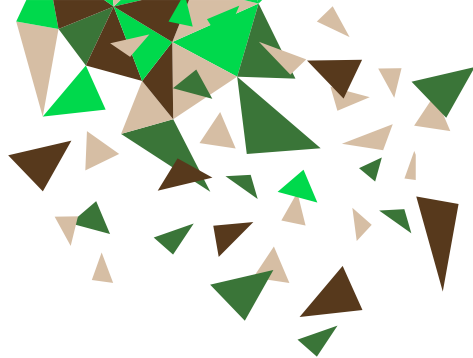
UN 820 - ANTIQUE WOOD

Batchwise colours may differ. Please ask for sample. Color, designs & texture subject to change without notice

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ALUMINIUM
PANEL SHEET



EXTERIOR HPL *Series*



UN 821 - PALISANDRO BROWN



UN 822 - COUNTRY OAK



UN 823 - KNOTTY WOOD



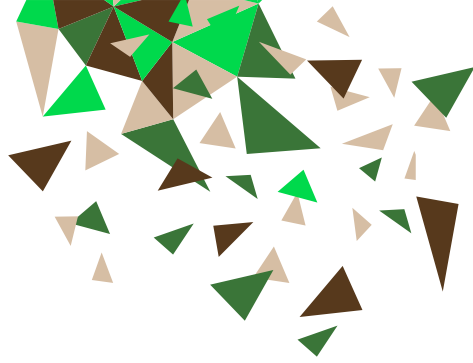
UN 824 - RICH ASH

6RHPL (6MM 0.25)

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**ALUMINIUM
PANEL SHEET**



EXTERIOR HPL *Series*



UN 825 - AFRICAN IPE



UN 826 - RIVA OAK



UN 827 - RUSSIAN TEAK



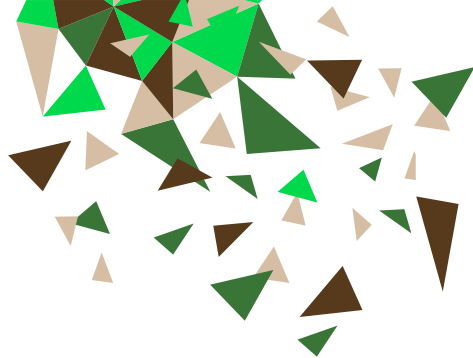
UN 831 - TIMBER LIGHT

Batchwise colours may differ. Please ask for sample. Color, designs & texture subject to change without notice

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ALUMINIUM
PANEL SHEET



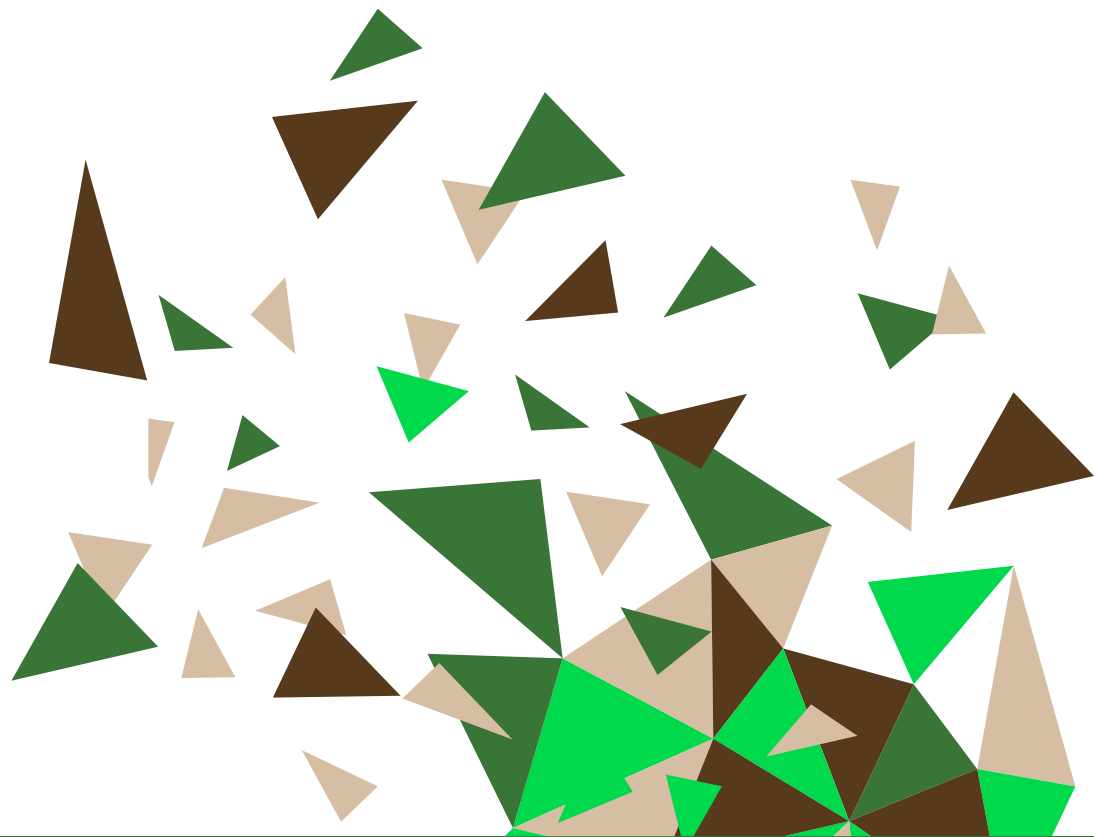
EXTERIOR HPL *Series*



UN 832 - ROYAL WALNUT



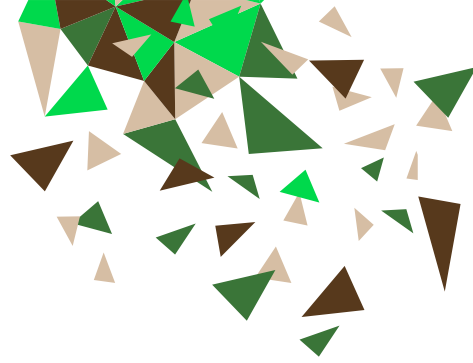
UN 833 - RED CHERRY



6RHPL (6MM 0.25)

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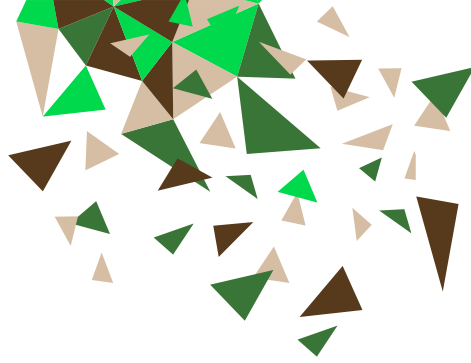
Technical Specifications of HPL 6 MM 0.25

PHYSICAL PROPERTIES

SR.NO	DESCRIPTION	ASTM	UNIT	RESULT
1	Thickness of Composite Panel	--	MM	6
2	Skin Thickness	--	MM	0.25
3	Weight	--	Kg/Sqm	7.5
4	Polyethylene (LDPE) MFI	D 1238	g/10 Minutes	0.6
5	Polyethylene (LDPE) Density	D 1505	g/ cm ³	0.9
6	Deflection Temperature	D 648	°C	115

MECHANICAL PROPERTIES OF ACM

SR.NO	DESCRIPTION	ASTM	UNIT	RESULT
1	Tensile Strength	E8	N/mm ²	29.5
2	Yield Strength	E8	N/mm ²	28.5
3	Elongation	E8	%	<2
4	Flexural Elasticity	D 790	N/mm ²	>20
5	Bonding Strength (Peeling Test)	D903	N/25mm	>150
6	Rigidity EI	DIN 53293	kNcm ² /m	5900



MECHANICAL PROPERTIES OF ALUMINIUM SKIN

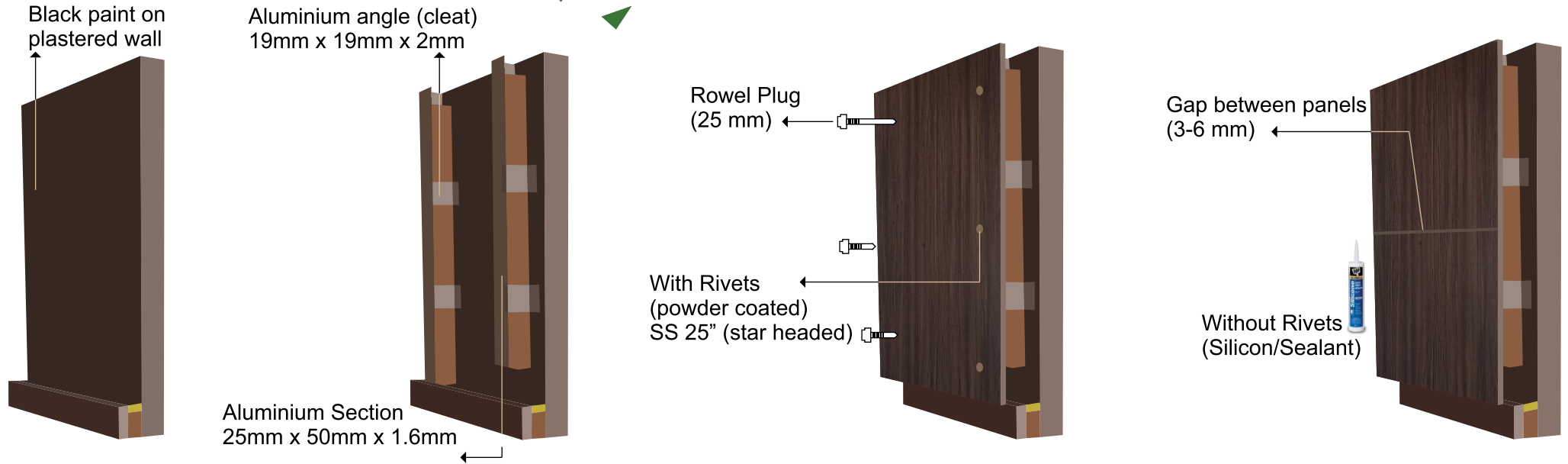
SR.NO	DESCRIPTION	ASTM	UNIT	RESULT
1	Aluminium Alloy Grade	B209M	--	3003 H16/18
2	Tensile Strength	E8	N/mm ²	145
3	Yield Strength	E8	N/mm ²	135
4	Elongation	E8	%	>6
5	Modules of Elasticity	E8	N/mm ²	70000
6				

MECHANICAL PROPERTIES OF ACM

SR.NO	DESCRIPTION	ASTM	UNIT	RESULT
1	Sound Transmission Loss Rw	E90	(dB)	26

ALUMINIUM PANEL SHEET

INSTALLATION PROCESS



PANEL DIMENSION

*STANDARD SIZE : 1220mm X 2440mm - 1220mm X 3050mm - 1220mm X 3660mm

APPLICATION CHART GRADE	PANEL THICKNESS	TOP SKIN	LDPE CORE THICKNESS	BOTTOM SKIN	COATING THICKNESS FRONT COIL/ TOP SKIN	COATING THICKNESS BACK COIL/ BOTTOM SKIN	TYPE OF COATING	APPLICATION AREA
HPL (6RHPL)	6.00 mm	0.25 mm	5.50 mm	0.25 mm	25u + 3	7u + 1 Service Coat	PVDF	Exterior

PRODUCT TOLERANCE

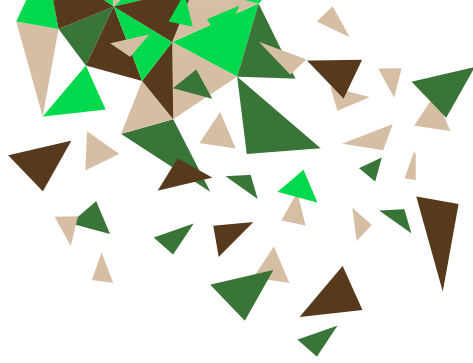
WIDTH	LENGTH	THICKNESS	
		COIL	PANEL
+2.00 mm	+4.00 mm	+0.02 mm	+0.20 mm

APPLICATION

EXTERIOR / INTERIOR

PLEASE NOTE Other available widths 1550 mm, 940 mm (as per requirement). * Batch wise Color may vary. Length available as per request

ALUMINIUM PANEL SHEET



APPLICATION URONEEL HPL

Because of its many distinctions, Architects and Designers find HPL just right and recommend it for a variety of applications.

Versatility - As mentioned earlier, HPL is an extremely versatile material which finds use in many applications such as vertical surfaces and horizontal. It has Application in all forms of outdoor cladding.

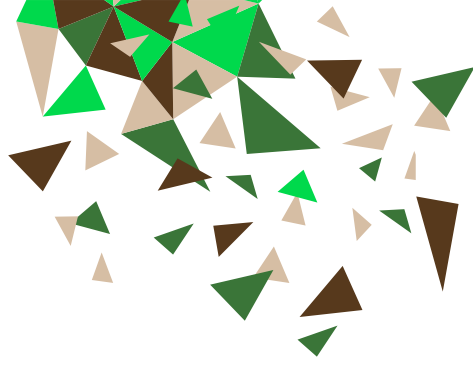
Durability - HPL products are highly durable and requires less or even no maintenance. HPL is used in many projects like hospitals, laboratories, hotels, restaurants and many other institutions. Aluminium HPL product has over come the short comings of woods as it is manufactured using aluminium coil with double layered Lumiflon coating that can resist to dust. Uroneel HPL comes with 10 years warranty

Safety - HPL has high thermal resistance, making it safe for use in commercial spaces, hospitals, kitchens and similar spaces. It is also available in fire retardant grades are per request.

Maintanance - Easy to clean and maintain, HPL is hard wearing and not prone to any cracks, scratches from heat or moisture.



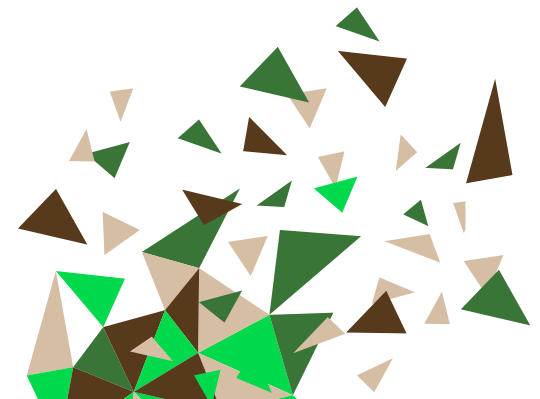
ALUMINIUM
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APPLICATION
PROCESS



URONEEL HPL
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ALUMINIUM PANEL SHEET

EXTERIOR



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