


# EXTERIOR CLADDING PANELS

**SHOWROOM:**  New Aghapura, Charkandil Cross Road,  
Hyderabad, Telangana, INDIA - 500 001

**CORPORATE :** Near Radisson Hotel, Gachibowli,  
Hyderabad, Telangana, INDIA - 500 032.


HYDERABAD  
PUNE

VIJAYWADA  
KOLKATA

VIZAG  
AHMEDABAD

BANGLORE  
PUNJAB

MUMBAI  
DELHI

 [sales@oaklam.in](mailto:sales@oaklam.in)  
[info@oaklam.in](mailto:info@oaklam.in)

 [www.oaklam.com](http://www.oaklam.com)  
[www.oaklam.in](http://www.oaklam.in)

# EXTERIOR CLADDING PANELS



 **OAKLAM**<sup>®</sup>  
GOOD QUALITY, HIGH PERFORMANCE  
EXTERIOR COMPACT LAMINATE

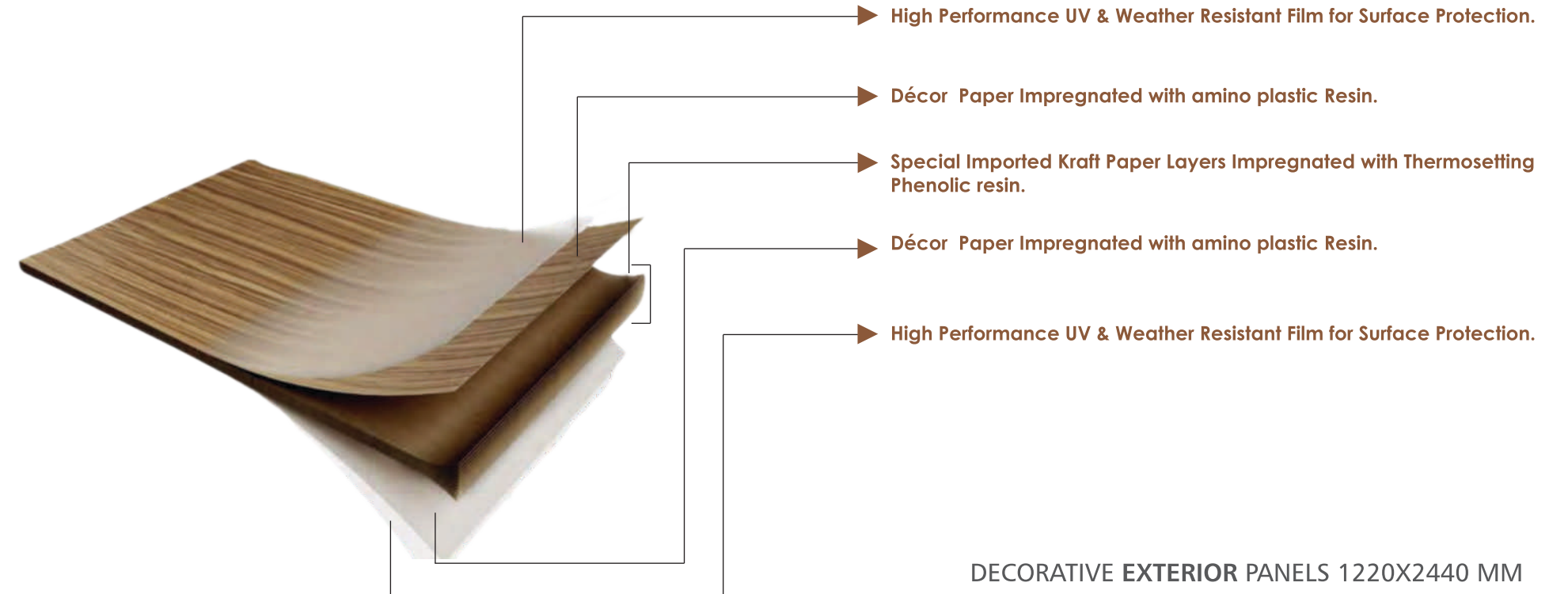
# EXTERIOR PANELS



AN ISO 9001:2015 CERTIFIED COMPANY



To reinforce our claims of strong and sturdy surface, we make use of the latest technology for all our products. These exterior façade surface are durable to the core. Making them strong enough to withstand Extreme weather conditions. The range has a UV-Resistant top Coating treated with poly vinylidene (PV) and acrylic layers to protect the décor surface from fading. The product is manufactured under high pressures and temperatures to yield an exceptionally durable and dense panel.



DECORATIVE EXTERIOR PANELS 1220X2440 MM





EXTERIOR GRADE COMPACT LAMINATES

# EXTERIOR PANELS FOR COMMERCIAL AND RESIDENTIAL SPACES

Three-dimensional settings revolutionize shopping, hospitality, and reception spaces with simplicity and elegance.



### IMPACT RESISTANT

It is Impact Resistant and has a very good modulus of elasticity due to the modified phenolic resin.

### GRAFFITI RESISTANT

Any writing marks made on the surface can be Easily removed using soap water or hot water.



### MOISTURE RESISTANT

Highly Moisture resistant hence, ideal for use in all type of exterior Cladding.

### ABRASION RESISTANT

It has Superior abrasion and ware resistance capabilities which gives it good lifespan.



### UV- RESISTANT

A Special UV Protected treatment makes the claddings UV Resistant and prevents Discoloring under long Exposure to direct sunlight.

### CLIMATIC SHOCK RESISTANT

Nothing can shock these surface. Not even sudden changes in temperature and humidity.



### WEATHER RESISTANT

Be the Heat, Humidity, or Extreme cold, These Surface can handle it all.



### TERMITE-RESISTANT

Highly Resistant to termite and fungal attack.



8230  
TURKEY PINE





**8230**  
TURKEY PINE 



 **8231**  
CASTANO WALNUT





**7049**  
ELEGANT WOOD



**7055**  
BROCELIANDE WOOD







**7060**  
MAPLE BEECH 



 **7014**  
CHERRY WOOD







**4010**  
COAST REDWOOD



**7058**  
MOCHA OAK







**8232**  
BURMESE TEAK



**7061**  
TOBACCO SHERWOOD





**7028**  
MADISON OAK



**8233**  
MOHAGONY





**7057**  
BEAUFORT SUPREME



**7071**  
TECA WOOD







**COMING  
SOON...**

**8020**  
DARK GREY TEAK







**6002**  
Estella Stone

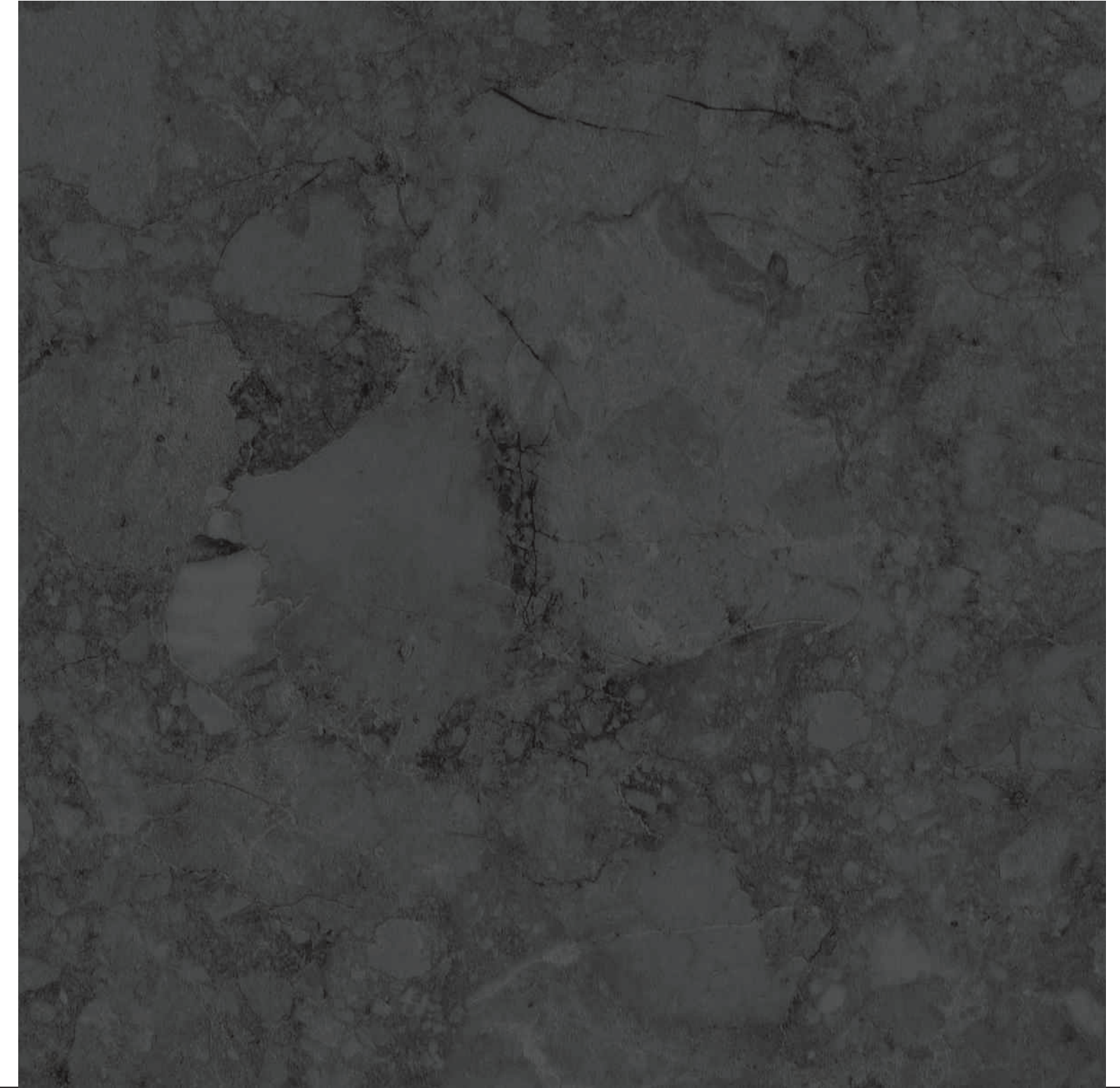


**6009**  
ARCTIC STONE



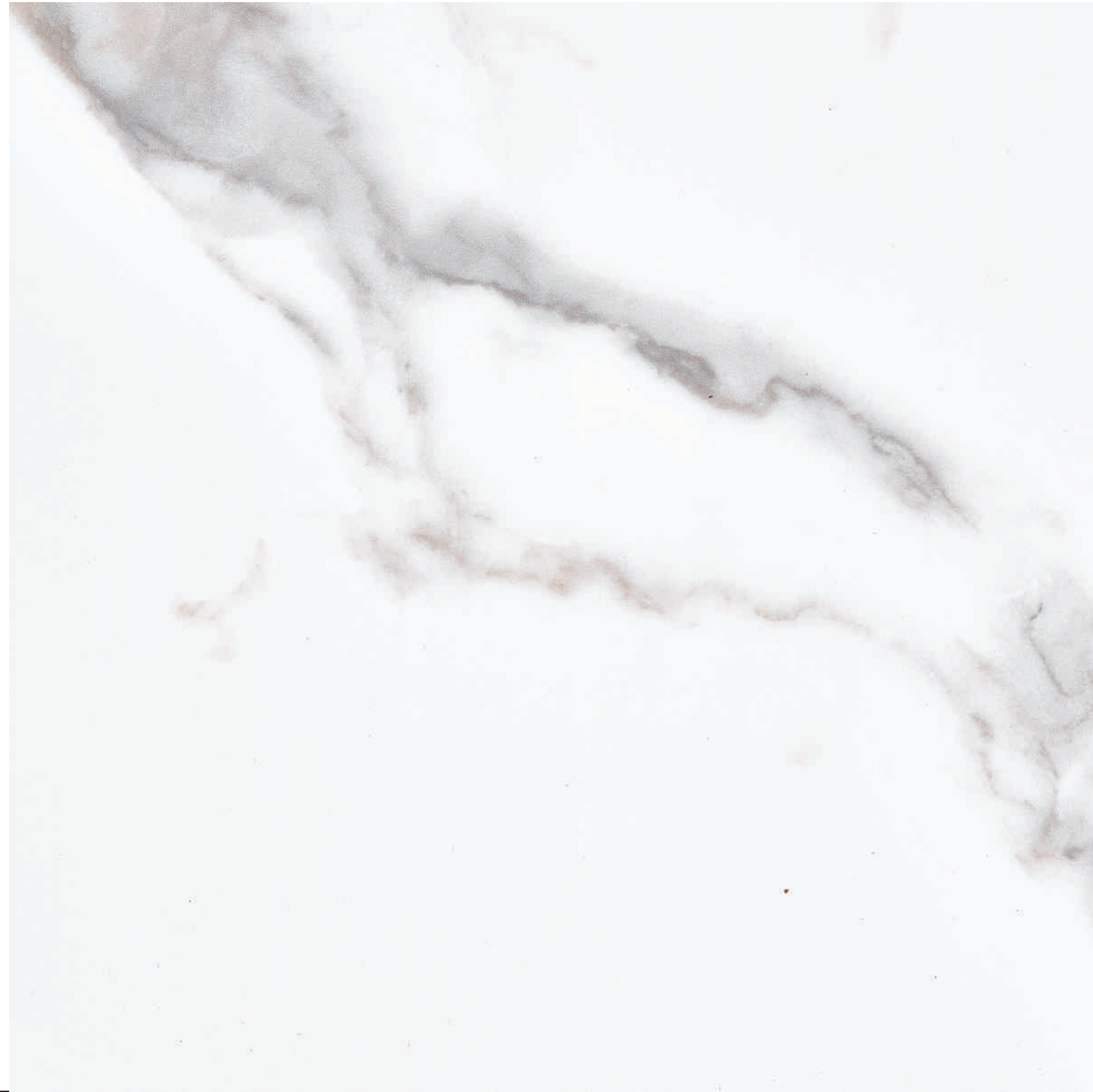


**6023**  
LIGHT GREY MARBLE 



 **6024**  
SLATE GREY MARBLE





**6020**  
CALACATTA MARBLE

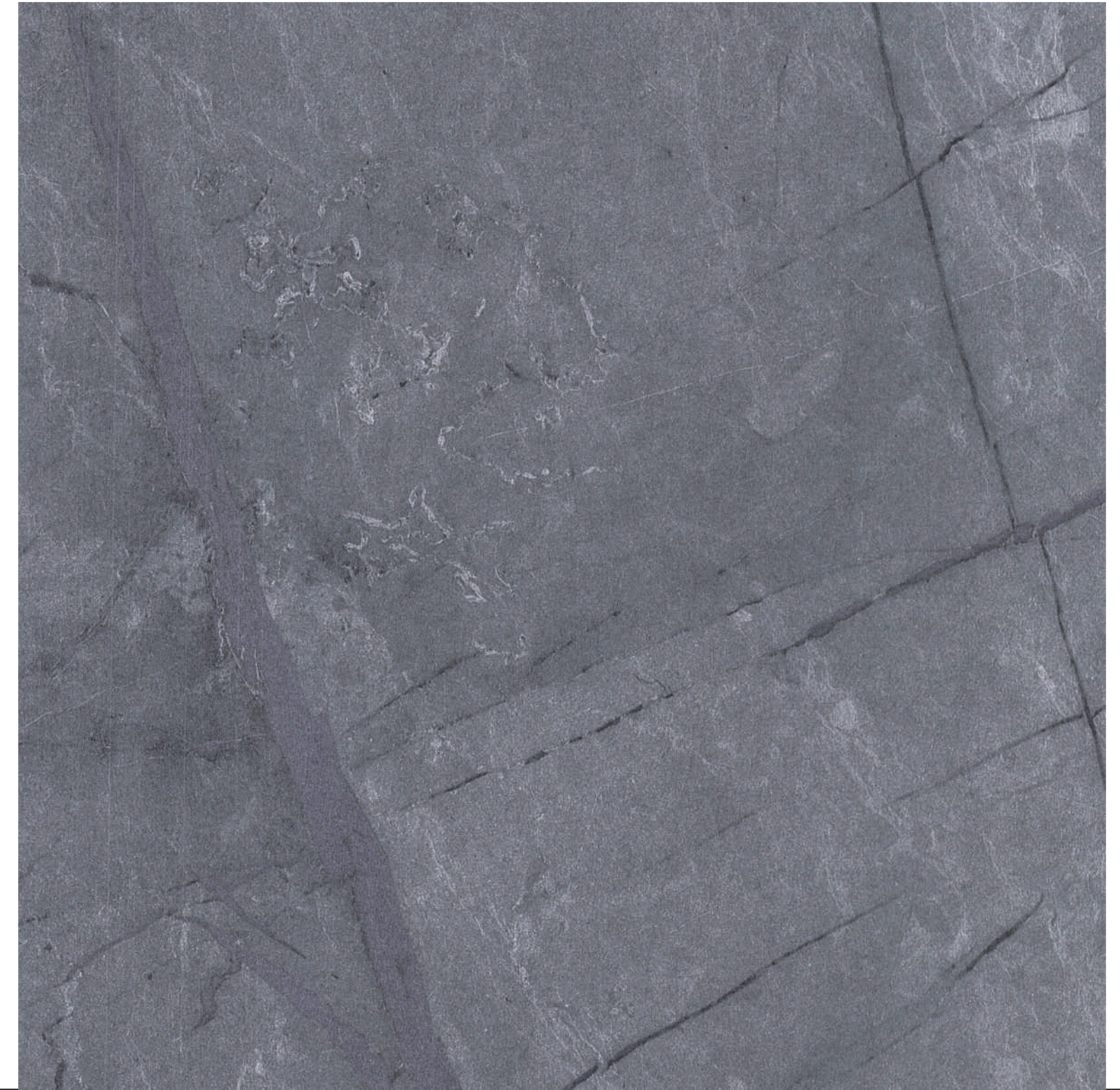


**6031**  
WHITEOXIDE



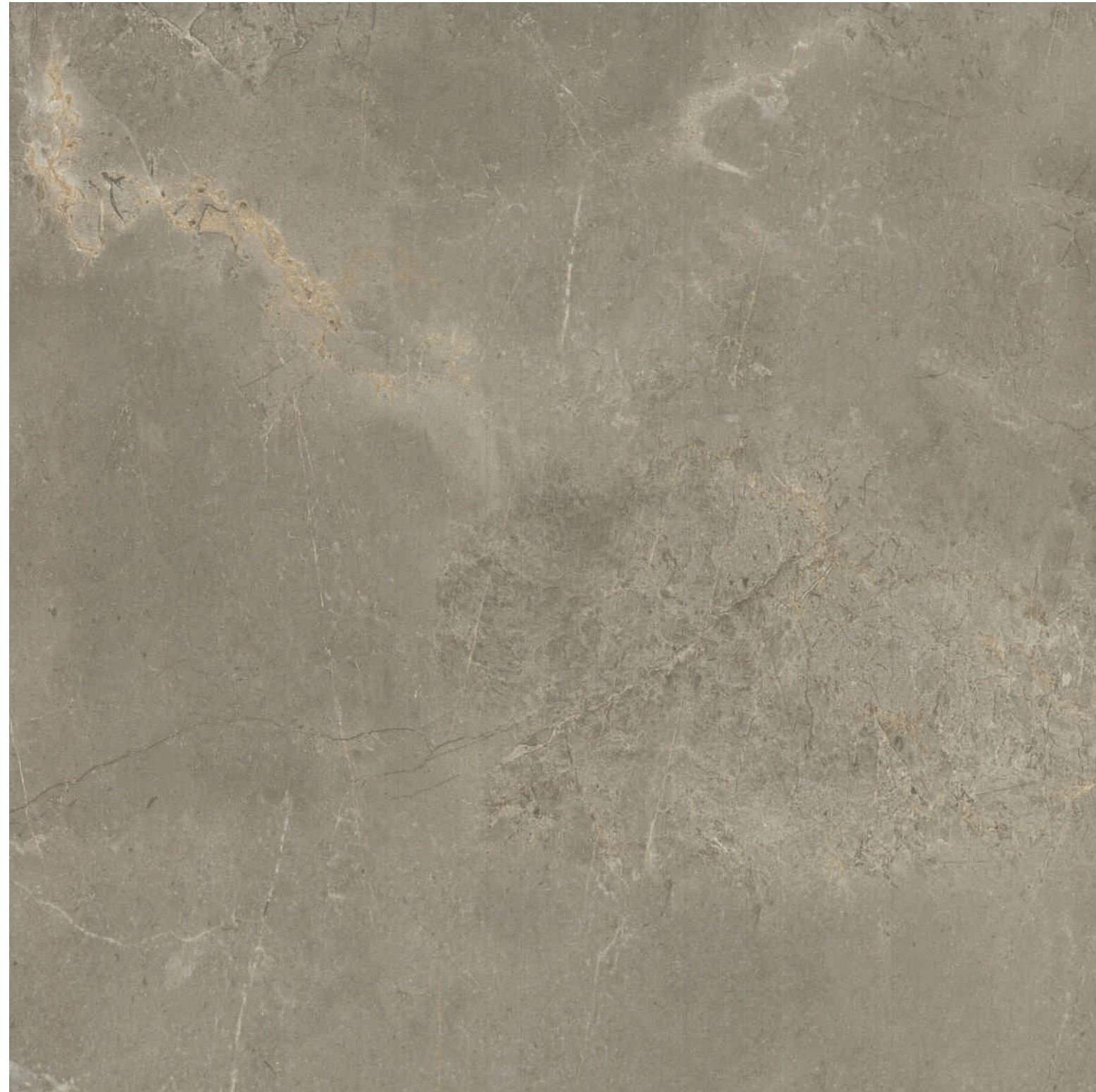


**6037**  
MAGNATIC GREY 



 **6038**  
GRIFFIN





**6039**  
CONTENTO 



 **6046**  
PIETRO







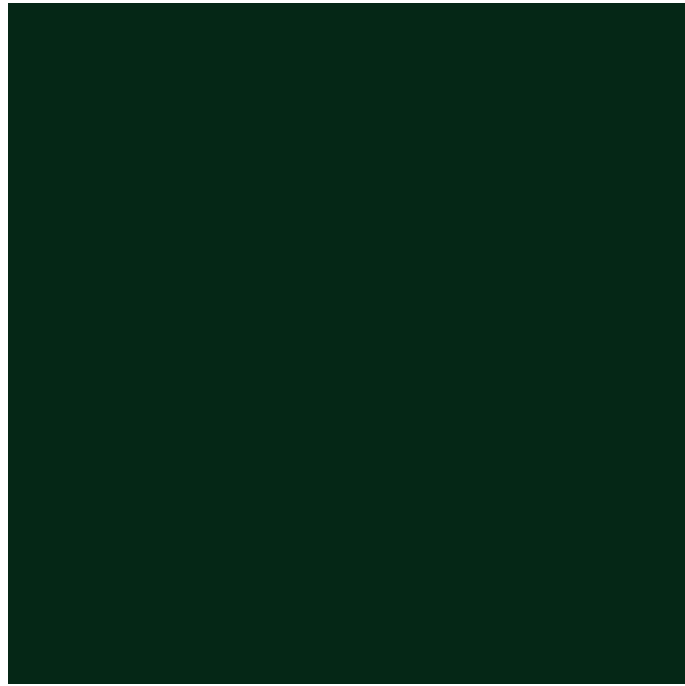
**6504**  
SOAPSTONE



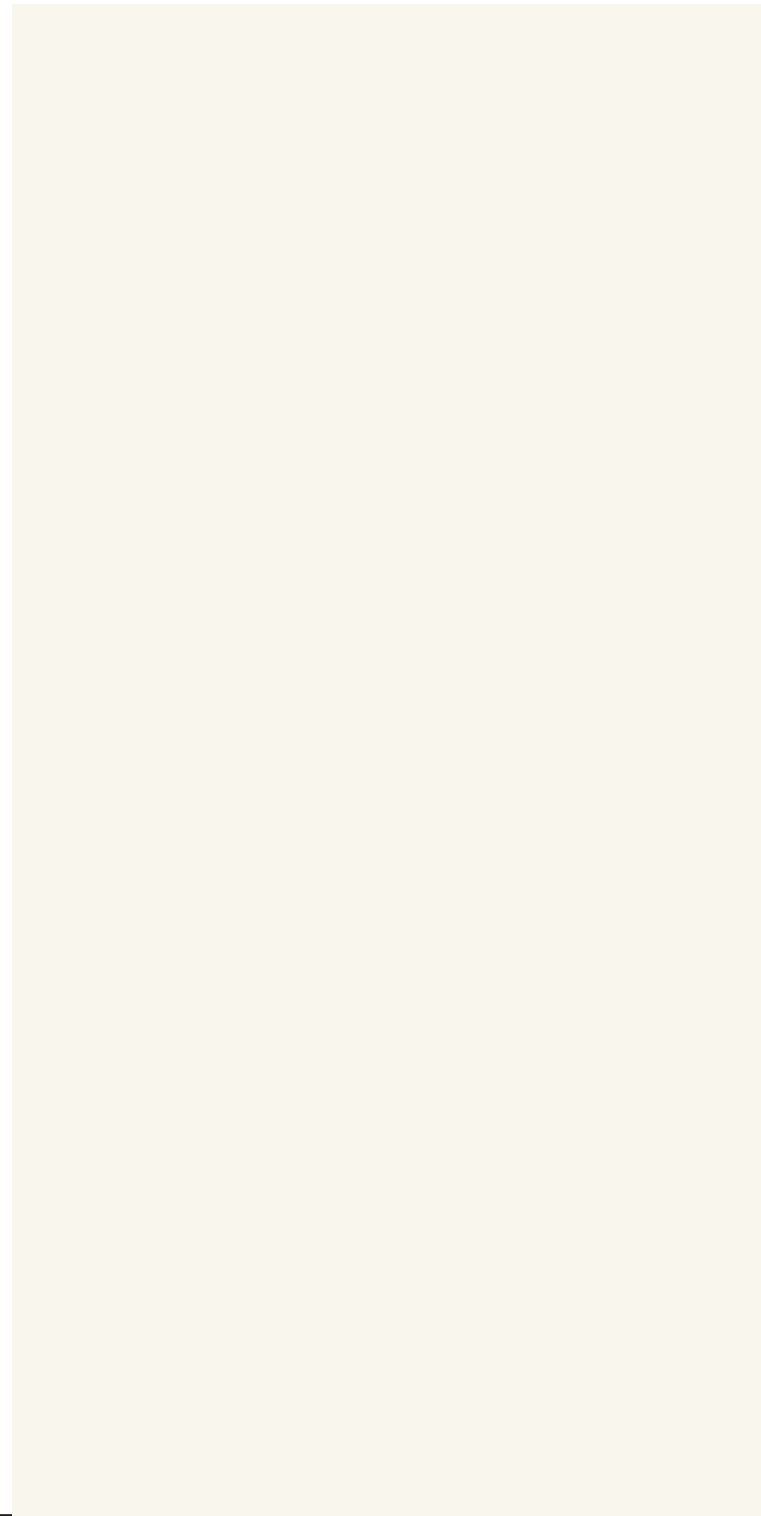
**6519**  
BERLINO







**1023**  
HUNTER GREEN



**1002**  
EGG WHITE



**1004**  
DARK DREY



**1005**  
SLATE GREY



**1012**  
COFFEE



**1006**  
BLACK





# INSTALLATION

## SETTING UP OAKLAM

The OAKLAM panels behave like wood in changing weather conditions. They expand when absorbing moisture and contract in dry air discharging moisture. Taking into consideration these properties, during installation the appropriate compensation clearance should be applied (the expansion gaps between panels 6-8 mm), assuring a possibility of uniform expansion of panels.

## RIVETED

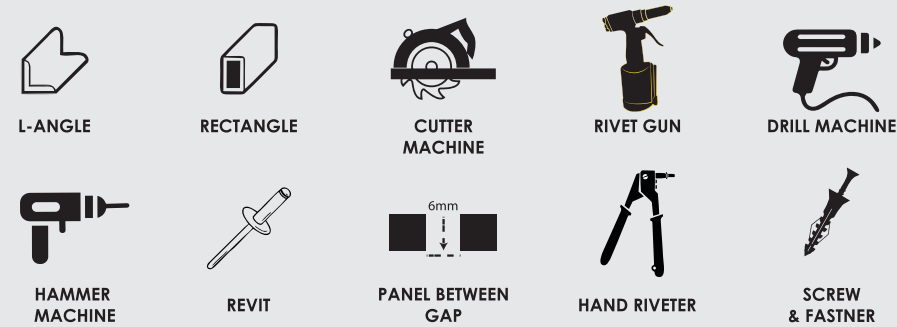
A tried-and-tested method that makes use of PU-coated rivets that make the panels strong and durable when installed. OAKLAM panels of 6mm, are suitable for riveted system on an aluminium substructure. This system is applied to high rise buildings.

- ▶ Installed with rivets on an aluminium Box Section substructure
- ▶ Installed with rivets on an aluminium L & T Section substructure (Practiced in other countries)

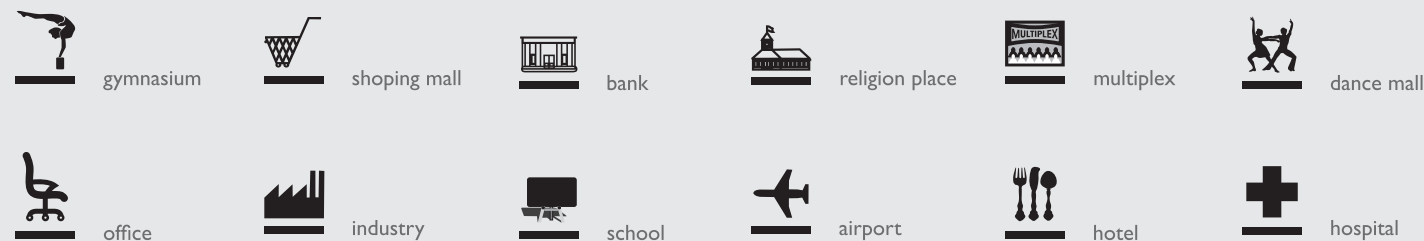
## ADHESIVE

For a clean and sharp look, that's relatively affordable, 3M or equivalent adhesive is used to fix the panel. An alternative to visible mechanical fixing with rivets is gluing the OAKLAM panels with gluing systems specifically developed for this purpose. It works on normal planed aluminium sub-constructions. Gluing is a clean and simple solution for rear-ventilated facades, attics, visible roof under faces, reveals, etc.

## REQUIRED TOOLS & MACHINES FOR INSTALLATION



# APPLICATIONS



# PHYSICAL DATA

S. NO	Performances Properties	Test Clause No as per EN 438-2 :2016	Unit	Specified values as per EN 438-6 : 2016	OAKLAM Value	Specified values as per EN 438-6 : 2016	OAKLAM Value	
<b>Product Classification</b>				<b>Grade EDF</b>	<b>Conforms</b>	<b>Grade EDF</b>	<b>Conforms</b>	
1.1	Thickness	EN 438-2: 5	mm	6.0 ± 0.40	6.0 ± 0.35	10.0 ± 0.50	10.0 ± 0.40	
1.2	Fltiness of panel	EN 438-2: 9	mm/M	max 5.0mm/ M	3.2 max	max 5.0mm/ M	3.2 max	
1.3	Length & Width of panel	EN 438-2: 6	mm	10mm/-Nil	5.0	10mm/-Nil	5.0	
1.4	Straightness	EN 438-2: 7	mm/M	1.5	1	1.5	1	
				Max Deviation	Max. Deviation	Max Deviation	Max. Deviation	
1.5	Squareness	EN 438-2: 8	mm/M	1.5	1	1.5	1	
				Max Deviation	Max. Deviation	Max Deviation	Max. Deviation	
2	Resistance to Impact by Large Diameter Ball (shatter resistance)	EN 438-2 : 21	mm	1800mm	2000	1800mm	2000	
				(Drop Height)	(Drop Height)	(Drop Height)	(Drop Height)	
3	Dimensional Stability at Elevated Temperature	EN 438-2 : 17						
3.1	a) Longitudinal		%	0.30(Max.)	0.15(Max.)	0.30(Max.)	0.13	
3.2	b) Transverse		%	0.60(Max)	0.32	0.60(Max)	0.27	
4	Panel Surface Visibility	EN 438-2 : 5.2.4.2	Dirt, Sports, any Similar Surfacedefects Fiber, hair, scratches & similar surface defects	≤ 2mm <sup>2</sup> /m <sup>2</sup>	Complies	≤ 2mm <sup>2</sup> /m <sup>2</sup>	Complies	
				≤ 2mm <sup>2</sup> /m <sup>2</sup>	Complies	≤ 2mm <sup>2</sup> /m <sup>2</sup>	Complies	
5	Flexural Modulus	EN ISO 178	Mpa	9000 (min)	9500	9000 (min)	9500	
6	Flexural Strength	EN ISO 178	Mpa	80 (min)	90	80 (min)	90	
7	Density	EN ISO 1183 - 1	g/cm <sup>3</sup> (min)	1.3 (min)	1.45	1.3 (min)	1.45	
8	Resistance to wet conditions, increase in mass	EN 438-2 : 15		Increase in mass	8% (max.)	4.5	8% (max.)	4.5
				Appearance,				
				a) Surface Rating	4 Minimum	4.5	4 Minimum	4.5
				Edge Raiting	3 Minimum	3	3 Minimum	3
Resistance to Artificial Weathering Including Light Fastness, After 650 MJ/M <sup>2</sup> Radiant Exposure	EN 438-2 : 29	Contrast	Grey Scale Rating	Not Worse then 3		3 - 4		
	EN 438-2 : 29	Appearance	Rating	Minimum 4		4 - 5		
	EN 438-2 : 28	Contrast	Grey Scale Rating	Not Worse then 3		3 - 4		
Resistance to UV Light, After 1600 Hour Exposure	EN 438-2 : 28	Appearance	Rating	Minimum 4		4 - 5		
	EN 438-2 : 19	Resistance to Climatic Shock	Index Ds (min)	≥ 0.80		≥ 0.90		
			Index Dm (min)	≥ 0.80		≥ 0.90		
			Rating (min)	≥ 4		≥ 4		