

# EXTERIOR CLADDING

VOL-2.1

INSPIRING YOUR IMAGINATION

*The Power To Transform*





**Core: Brown Core**  
Black core can be provided on demand

**Thickness available :**  
Min 6.0 mm to 15.0 mm  
(Customize thickness upon demand only)

**Size available :**  
2440 mm x 1220 mm (8 ft x 4 ft)  
3050 mm x 1220 mm (10 ft x 4 ft)

Weight of the panel @ 1.45 gm/m<sup>3</sup>.

Thickness(mm)	Weight (Kg)
6.0	26
8.0	34.5
10.0	43
12.0	52

**Decorative Design Offerings**

Exotic Designs | Wood Grains | Solid Plain Color

# EXTERIOR CLADDING

Application of Exterior grade panel.

Wall Cladding

Partition Walls

Railings

Front Gates and Doors

Balconies

Commercial Construction

Ceilings / Roofing

Out Door Table

Outdoor Park Benches

Out Door Furniture

  
**VIR**  
EXT-LAM



# Certification

Vir Exterior Grade  
Compact Panel Certificates &  
Awards Recognition.

Report No: 4001291 Report Date: 14/06/2017 Page 2 of 3

**SIGMA** TEST & RESEARCH CENTRE  
TESTING OF FOOD | WATER | CHEMICALS | PETROLEUM PRODUCTS | BUILDING MATERIAL | ENVIRONMENT  
(This certificate is not valid without a hologram)

**TEST CERTIFICATE**

**Test conditions**  
Operating Cycle: 4 hours UV light at 60°C, followed by 4 hours water condensation at 50°C without UV light.  
Light Source: Fluorescent UVB-315  
Irradiance: 0.33W/m<sup>2</sup>  
Test Duration: 1500 hours

**EVALUATION AND EXPRESSION OF RESULTS**  
1. CONTRAST  
Examine the contrast between the exposed and unexposed test specimens and record it in terms of a grade on the grey scale as defined in EN 20105-A02.  
2. APPEARANCE  
Examine the surface of test specimens with the naked eyes, corrected if necessary, at a distance of approximately 70 cm, assessing the appearance in comparison with the control specimen in accordance with following rating scale:  
Rating 5: No visible change.  
Rating 4: Change of gloss only.  
Rating 3: Hairline surface cracks and/or delamination.  
Rating 2: Surface cracks.  
Rating 1: Distorting surface delamination.  
The light features of the test specimen is expressed in terms of the contrast being greater than, equal to or less than grade 4 of the grey scale.

**OBSERVATIONS**

Check Item	Test Result	Requirements
Grey scale	Greater than 4	3 Min.
Colour (reference: 1.6E)	Before testing	1.37
	After testing	11.82
	Before testing	50.31
	After testing	4.49
	Before testing	4.47
	After testing	17.36
Visual	1. Crack and delamination	No crack and delamination observed after the test
Visual	2. Rating	4

Remarks: The sample conforms to weather resistance requirements for resistance to UV light test as per EN 438-2:2016

Authorized Signatory  
Rajani Kumar Choudhary  
www.sigmatest.org

AN ISO 9001:2015 & 14001:2015 ACCREDITED LABORATORY

Report No: 4001291 Report Date: 14/06/2017 Page 2 of 3

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**TEST CERTIFICATE**

**Test conditions**  
Irradiance: 340 watt (0.5 ±0.03W/m<sup>2</sup>)  
Relative Humidity: 88%  
Black standard temp: 45±2°C  
Test Duration: 1500 hours

**EVALUATION AND EXPRESSION OF RESULTS**  
1. CONTRAST  
Examine the contrast between the exposed and unexposed test specimens and record it in terms of a grade on the grey scale as defined in EN 20105-A02.  
2. APPEARANCE  
Examine the surface of test specimens with the naked eyes, corrected if necessary, at a distance of approximately 70 cm, assessing the appearance in comparison with the control specimen in accordance with following rating scale:  
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Rating 2: Surface cracks.  
Rating 1: Distorting surface delamination.  
The light features of the test specimen is expressed in terms of the contrast being greater than, equal to or less than grade 4 of the grey scale.

**OBSERVATIONS**

Check Item	Test Result	Requirements
Grey scale	Greater than 4	3 Min.
Colour (reference: 1.6E)	Before testing	1.61
	After testing	50.31
	Before testing	51.92
	After testing	5.20
	Before testing	5.27
	After testing	19.26
Visual	1. Crack and delamination	No crack and delamination observed after the test
Visual	2. Rating	4

Remarks: The sample conforms to weather resistance requirements for resistance to artificial weathering test as per EN 438-2:2016

Authorized Signatory  
Rajani Kumar Choudhary  
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Report No: 4001291 Report Date: 14/06/2017 Page 1 of 3

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(This certificate is not valid without a hologram)

**TEST CERTIFICATE**

Sample: VIR Exterior Grade Compact Panel (2440x1220x6mm)

Ref. No: N6  
Tested To: British Decor Ltd  
Plot No-095, GDR, A/E Post: Bikaner, District: Ganganagar, Gujarat-320241

BRAND NAME: VIR EXTERIOR GRADE COMPACT PANEL \* GRADE - FDE, 10PL/EN 438-6:2016

Test: Resistance to colour check  
Test Method: EN 438-2-2016  
Requirements: EN 438-6-2016  
Test Sequence: 120times/3minutes

Date of Testing: 08/05/2017

S. No.	Test	Result	Requirements	Conformity	
1	Flexural Strength Index	Avg	0.91	0.80 Min	Yes
		Min	0.86		
2	Flexural Modulus Index	Avg	0.91	0.80 Min	Yes
		Min	0.86		
3	Appearance rating	5	4 Min	Yes	

Authorized Signatory  
Rajani Kumar Choudhary  
www.sigmatest.org

AN ISO 9001:2015 & 14001:2015 ACCREDITED LABORATORY

\*European std can be provided on demand by Manufacturer.

Test Report No. 7191166866-MEC17/4-YWA  
dated 21 Sep 2017

Note: This report is issued subject to the Testing and Certification Regulations of the TÜV SÜD Group and the General Terms and Conditions of Business of TÜV SÜD PSB Pte. Ltd. In addition, this report is governed by the terms set out within this report.



**SUBJECT:**

Large scale surface spread of flame test on Brand: "VIR", Model: "Type-EDF/EDS/EGF/EGS" High-pressure decorative laminates (HPL) Exterior grade compact panel material submitted by Rushil Decor Limited on 23 Aug 2017.

**TESTED FOR:**

Rushil Decor Limited  
Near Nilkanth Green Villa  
Off, Sindhu Bhavan Road  
Shilaj, Ahmedabad  
380058 Gujarat  
India

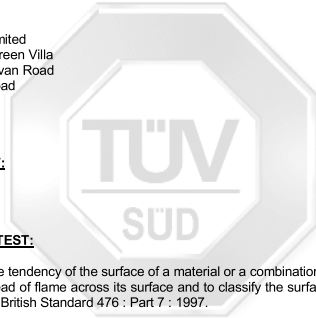
**DATE OF TEST:**

30 Aug 2017

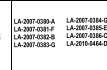
**PURPOSE OF TEST:**

To determine the tendency of the surface of a material or a combination of materials to support the spread of flame across its surface and to classify the surface according to the test given in British Standard 476 : Part 7 : 1997.

The test was conducted at TÜV SÜD PSB's fire test laboratory located at No. 10 Tuas Avenue 10, Singapore 639134.



*Yuy AA*



The results reported herein have been performed in accordance with the terms of accreditation under the Singapore Accreditation Council (SAC) or other relevant standards. This Report is not included in the SAC SINGLAS Accreditation Database for our respective technology.

Laboratory:  
TÜV SÜD PSB Pte. Ltd.  
No. 10 Science Park Drive  
Singapore 118221

Phone: +65-6385 1333  
Fax: +65-6778 9970  
E-mail: enquiry@tuv-sud-psb.sg  
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Regional Head Office:  
TÜV SÜD Asia Pacific Pte. Ltd.  
1 Science Park Drive, #02-01  
Singapore 118221  
IPX\*

Test Report No. 7191166866-MEC17/4-YWA  
dated 21 Sep 2017



**Classification of Surface Spread of Flame**

Classification	Spread of flame at 1.5 min.		Final spread of flame	
	Limit (mm)	Limit for one specimen in sample (mm)	Limit (mm)	Limit for one specimen in sample (mm)
Class 1	165	165 + 25	165	165 + 25
Class 2	215	215 + 25	455	455 + 45
Class 3	265	265 + 25	710	710 + 75
Class 4	Exceeding the limits for class 3			

**CONCLUSION:**

In accordance with the class definitions specified in the Standard, the test results show that the sample tested has a **Class One** Surface Spread of Flame.

**REMARKS:**

The test results relate only to the behaviour of the test specimens of the product under the particular conditions of test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

*Yuy*  
Ye Wint Aung  
Higher Associate Engineer

*AA*  
Ong Kian Huat  
Senior Associate Engineer  
Fire Property  
Mechanical

Test Report No. 7191166866-MEC17/6-YWA  
dated 26 Sep 2017

**DESCRIPTION OF SPECIMENS:**

Twenty pieces of specimen, said to be Brand: "VIR", Model: "Type-EDF/EDS/EGF/EGS" 6mm thick x 1.45g/cm<sup>3</sup> High-pressure decorative laminates (HPL) Exterior grade compact panel material comprising of Acrylic Film Layer for UV protection / Melamine Resin Treated Paper / Phenolic Resin Treated Kraft Paper / Melamine Resin Treated Paper / Acrylic Film Layer for UV protection, each of nominal test size of 125mm x 125mm were submitted. The Adhesive used was said to be Phenolic Resin and Melamine Resin for Kraft Paper and Design Paper Treating respectively. The Fire Retardant used was said to be Non-Halogen Phosphate Base. The bulk density of the specimen was found to be approximately 1.45g/cm<sup>3</sup>.

**RESULTS:**

Description	EN	Result		UL 94 Requirement		
		After conditioning at 23 ± 2°C and 55 ± 5% RH for 48 hrs	After conditioning at 40 ± 2°C and 65 ± 5% RH for 168 hrs	V-0	V-1	V-2
1. Number of specimens tested		5	5			
2. After flame time after first flame application, % (individual readings)	sec	0, 0, 0, 0, 0	0, 0, 0, 0, 0	≤ 10	≤ 30	≤ 30
3. After flame time after second flame application, % (individual readings)	sec	0, 0, 0, 0, 0	0, 0, 0, 0, 0	≤ 10	≤ 30	≤ 30
4. Time after flame time for any condition set (i = 1, for the 4 specimens)	sec	0	0	≤ 30	≤ 300	≤ 200
5. After glow time after removed flame application, % (individual readings)	sec	0, 0, 0, 0, 0	0, 0, 0, 0, 0	-	-	-
6. After flame time after glow time after the second flame application (i = 1) (individual readings)	sec	0, 0, 0, 0, 0	0, 0, 0, 0, 0	≤ 30	≤ 30	≤ 30
7. After flame or after glow of any specimen as to the falling char	sec	No	No	No	No	No
8. Cellular indicator system by flaming particles or drops	sec	No	No	No	No	Yes

**CONCLUSION:**

In accordance with the criterion stated in the UL 94 : 1997 - 20mm Vertical Burning Test, the test results show that the sample tested meet the requirements for UL94 : 1997 V-0 classification.

*AA*  
Ong Kian Huat  
Senior Associate Engineer

*Yuy*  
Chai Ling Toa  
Product Manager  
Fire Property  
Mechanical

Classification Report No. 7191166866-MEC17/3-LGJ  
dated 22 Sep 2017



**4. Classification and field of application**

**4.1. Reference of classification**

This classification has been carried out in accordance with clause 11 of BS EN 13501-1: 2007 +A1: 2009.

**4.2. Classification**

The product, 'VIR' exterior grade compact panel (6mm thick, 1.45 g/cm<sup>3</sup>), in relation to its reaction to fire behaviour meets the requirements to be classified as **B**.

The additional classification in relation to smoke production is: **s1**

The additional classification in relation to flaming droplets / particles is: **d0**

Fire behaviour	Smoke production	Flaming droplets
<b>B</b>	<b>s 1</b>	<b>d 0</b>

Therefore, the classification of VIR' exterior grade compact panel (6mm thick, 1.45 g/cm<sup>3</sup>), in accordance with BS EN 13501-1: 2007 +A1:2009 is:

Reaction to fire classification: **B-s1,d0**

*Yuy*

# Properties of Vir Exterior Grade Compact Panel.

## Why use Vir Exterior Grade Compact Panel?

### 1. UV Resistance

- Special UV protective film which is providing extra resistance to UV rays which are dwindling on the surface of Vir Exterior Grade Compact Panel. In combination with pure UV irradiation, our product is applied for condensation or water spray exposure. This type of test is normally used for initial screening to choose the best material.
- The discoloration of surface is prevented due to protective layers, which indirectly prevents fading of decorative design surface.
- Vir Exterior Grade Compact Panel complies with stringent testing as per European standard confirming to EN-438-6-28 for 1500 Hrs.

### 2. Artificial Weathering

- The weather testing process can be greatly accelerated through the use of specially designed weathering chambers. While this speeds up the time needed to get results.
- Product is subjected for testing in an advanced climate test facility from which, we can simulate any weather condition, whether natural conditions such as sunlight, salt mist, temperatures, rain, and combined exposures, or man-made conditions such as air pollution, chemicals, and extreme temperatures .hence our product meeting variant weathering conditions requirements.
- Vir Exterior Grade Compact Panel is tested for artificial weathering test with different environmental conditions. It complies to EN-438-6-27 & 29 with an appearance rating > 4.

### 3. Resistance to Climatic Shock.

- During a product's lifetime, it can be exposed to various climates – anywhere around the world – completely beyond your control or influence. Vir Exterior Grade Compact panels complies with stringent testing as per European standard confirming to EN-438-6-9. With good flexural strength & flexural modulus.
- Using specially tailored climate tests and test scenarios we help our customers to improve the robustness and reliability of our product – not just to comply with applicable design and performance standards, but also to fulfill consumer expectations.

### 4. Dimensional stability at Elevated Temperature.

Vir Exterior Grade Compact Panel is dimensionally stable under various extreme climatic conditions of temperature & humidity. It confirms to EN-438-6-17 the test performed for its evaluation at an extreme range of relative humidity at elevated temperature.

### Mechanical Properties of VIR exterior panel.

- 5. **Panel Elasticity properties** meet ISO-178, values achieved > 9000 Mpa which justify its strength & bending properties. Panel is not easily deformed elastically whenever external force is applied.
- 6. **Flexural Strength:** The flexural strength represents the highest stress experienced within the material at its moment of yield. It is measured in terms of stress or its stress load-bearing capacity which is observed to be more than 90 Mpa.



- 7. Tensile Strength:** Ultimate tensile strength is measured by the maximum stress that a material can withstand while being stretched or pulled before breaking, Vir Compact Panel tends to achieve more than 70 Mpa when tested as per EN-ISO-527-2.
- 8. Density of Panel:** Min 1.45 gram/cm<sup>3</sup>.

**FIRE PERFORMANCE OF VIR EXTERIOR GRADE COMPACT (FR GRADE) PANEL.**

**9. Reaction to Fire :**

1. An EU classification serves as the standard of evaluation for the reaction to fire of construction and building materials. It establishes uniform Europe-wide requirements for fire protection in order to facilitate the unrestricted trade of construction products throughout Europe. In the EN 13501 Part 1 series of standards, the reaction to fire of construction and building materials is divided into several classes (Euro class A1, A2 and B through F). Evidence is provided in the form of a fire test conducted on the complete building element with a corresponding test certificate according to EN 13501 Part 2.

2. Our Vir Exterior Grade Compact Panel complies with reaction to fire and is classified as Flame retardant classification, B, S2, D0. Our product meets the European standard requirements for building materials category. Key characteristics for the assessment of reaction to fire are:

- Inflammability • Combustibility • Flame propagation • Smoke development • Dropping while burning.

CLASS	TEST PROCEDURE	CLASSIFICATION CRITERIA
B	EN-13823	FIGRA ≤ 120 W/s and LFS < edge of the specimen and THR600 s ≤ 7.5 MJ
B	EN ISO 11925-2 load = 30 s	Fs ≤ 150 mm (5.91") within 60 s

**Spread of Flame:**

FLAME EXPOSURE » 30 KW; THE SBI TEST MEASURES:

- The release of energy (THR – total heat release) • The spread of flames (LFS – longitudinal flame spread) • The speed at which the fire spreads (FIGRA – fire growth rate) • Smoke development (SMOGRA – smoke growth rate) • Dripping / dropping while burning

Vir Exterior Grade Compact Panel (FR GRADE) complies to Class -1 when tested for spread of flame.

**Special Features & advantages of using Vir Exterior Grade Compact Panel.**

1. Waterproof against rain, frost, snowfall.
2. Act as sound barrier.
3. Solvent resistant
4. Resistance to Impact.
5. Lesser Time & Easy to Install at site
6. Enhanced Light fastness
7. Cleaning is Easy
8. Protect wall surface from external heat, hence reduced thermal conductivity rate.
9. Both side special UV protective Acrylic film, prevents decorative surface from fading effect.
10. Panel can be used for both vertical & horizontal panel alignment.
11. Surface with Anti-graffiti property.
12. 100 % corrosion free product.
13. High stability in variant Environment across globe.



# INSTALLATION TYPES

## 2 Easy and Quick Schematics to install VIR Ext-Lam.



**ADHESIVE**



This uses a 3M adhesive to fix the panel. It gives a clean look and is relatively cheaper.



**RIVETED**



It uses a PU coated rivet and is a more trusted and extensively tested method. It makes the panel strong and durable.





## WARRANTY FOR EXT-LAM

**10 YEARS WARRANTY**

Rushil Décor Ltd product offering Exterior grade compact panel endorses & confirm to **EN-438-6** provided for a Limited warranty period of 10 Years.

This warranty covers on products for any Delamination in panel.

Slight loss of brightness or homogeneous variation in color occurring during course of time in use is acceptable as per **EN-438-6** Std.

The warranty is evoked with immediate effect on the sale of the products to the first consumers, purchaser whose name & details are mentioned in the invoice. The warranty on our products is non-transferable. These terms of warranty shall be deemed to have accepted upon purchase of product by first consumer purchaser

Our warranty shall not cover any damage or deviation from the Std 438-6 upon normal wear and tear or in the event products are spoiled as a result of miss use, mishandling, neglect, accident, improper application, extreme temperature, improper fabrication leading to deformation, installation, improper maintenance. This warranty shall be void subject to other terms & conditions contained herein, upon non production of the original warranty documents.

Rushil Decor shall have the sole & absolute right to determine the reason for such damage or deviation. We shall have the right to inspect our supplied any products claimed as a defective product at the buyer's premises, or require the buyer to return the product to us only if such products are proven to be defective and not confirming to std EN-438-6, as covered by this warranty. And are returned within the warranty period stated above. In case of any claims, quarrels the obligation of Rushil Decor Ltd. to purchaser/buyer under this warranty is however limited to the repair/servicing/replace of the unit only, when the product is returned back to retailer upon forwarding original warranty documents with invoice copy.

Our Authorized dealers are our mutual partner in supporting the warranty requests. The company Rushil Décor Ltd. shall not entertain any direct claim/service.

To obtain service under this warranty, please contact our authorized Dealers.

\* The jurisdiction in respect of this warranty or incidental matters thereof shall be exclusively at Ahmedabad only.

\*\*Slight Deformation / Warping is excluded for modified/customize/Altered Product offerings under this warranty.

# EXTERIOR CLADDING

EXOTIC DESIGNS



EXT-SF 8697 **NEW**

Travertin Light



EXT-SF 8698 **NEW**

Travertin Dark



EXT-SF 8569

Kamala

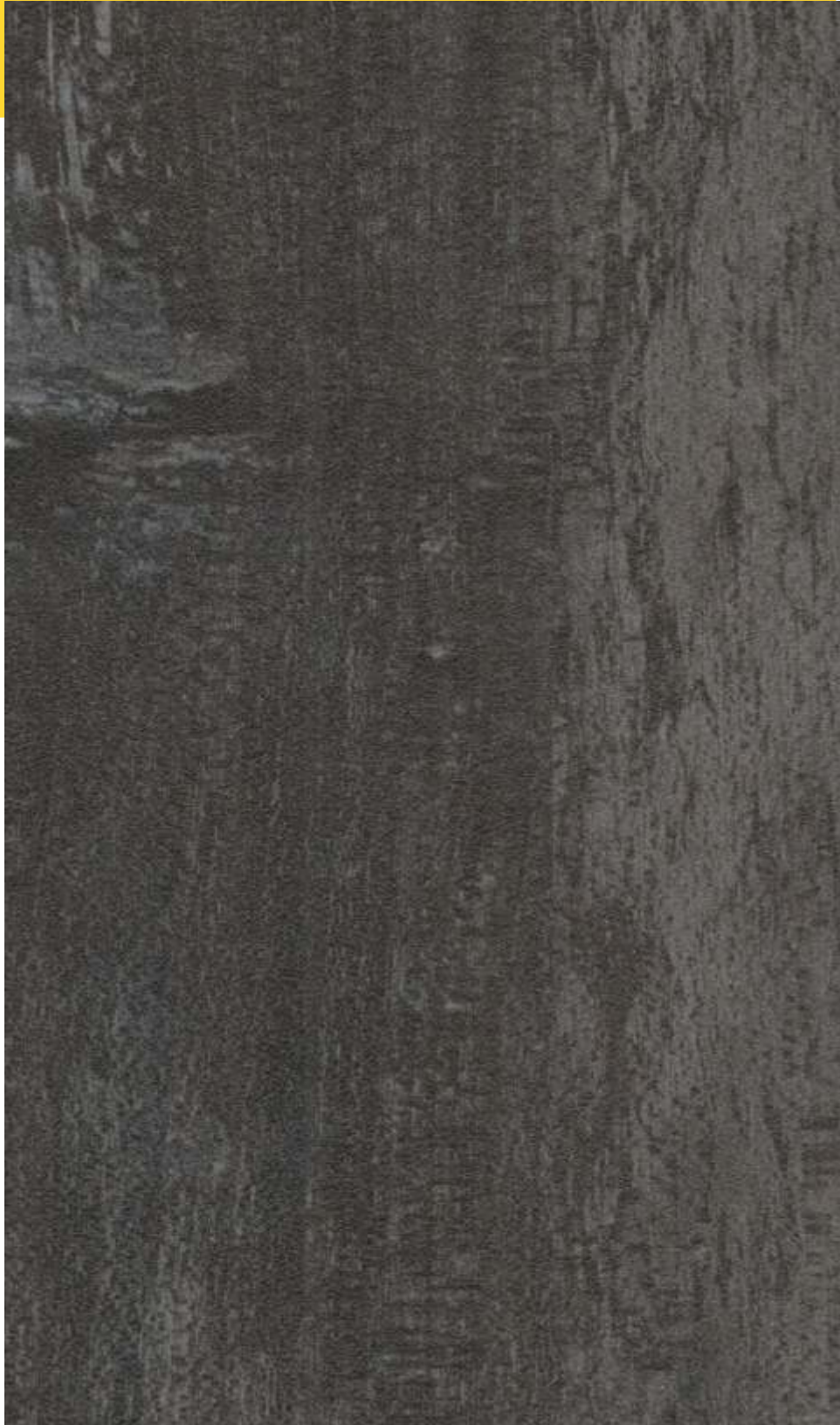


EXT-SF 8582

Bonito

# EXTERIOR CLADDING

EXOTIC DESIGNS



EXT-SF 8631

Frost Wood



EXT-SF 7751 **NEW**

Classic Stone



EXT-SF 3100

Paris Brown

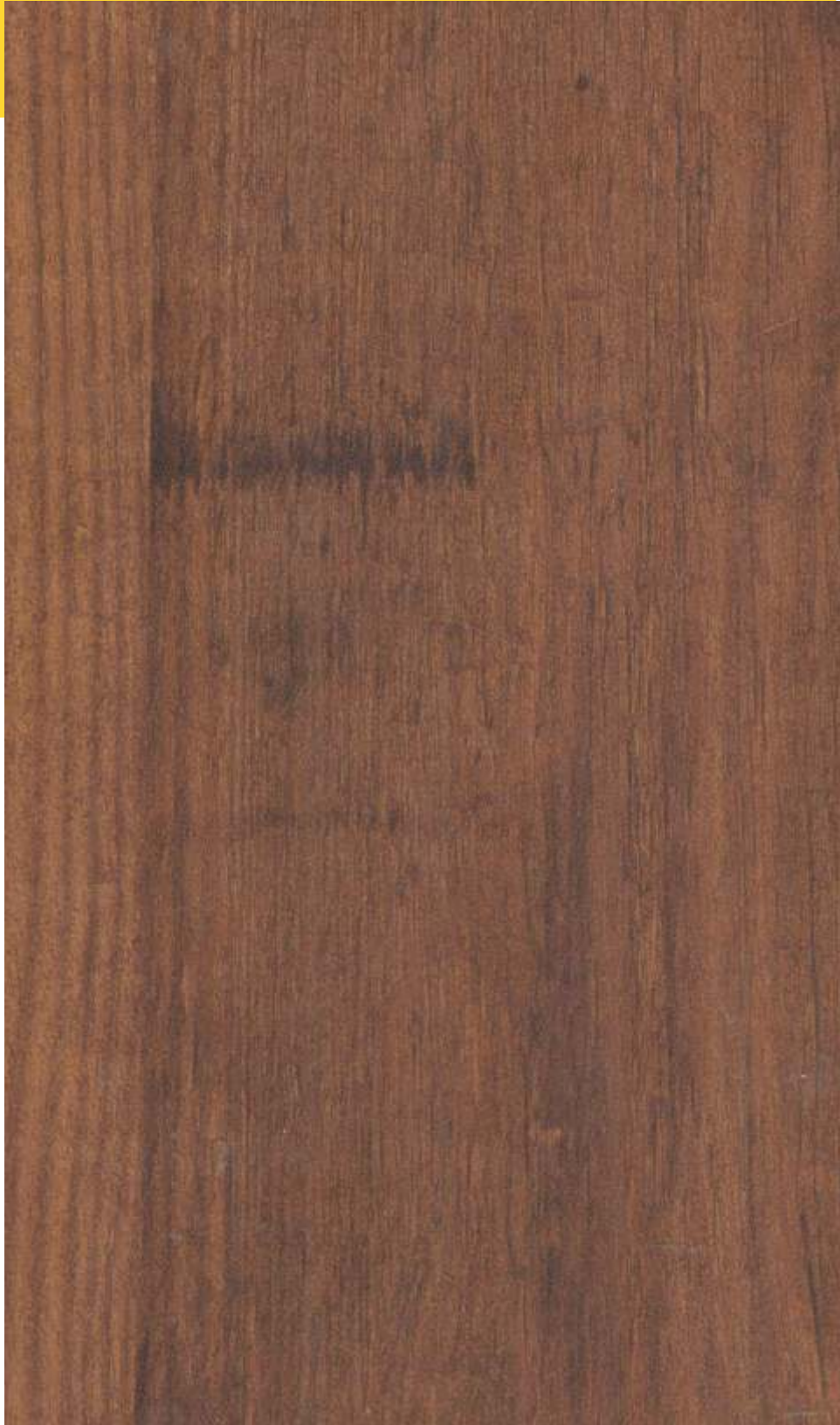


EXT-SF 8629

Khaya Mahogany Dark

# EXTERIOR CLADDING

## WOOD GRAINS



EXT-SF 8627

Novecento Pine



EXT-SF 8626

Columbia Walnut



EXT-SF 8632

Rosenhol Wood



EXT-SF 8752 **NEW**

Natural Walnut

# EXTERIOR CLADDING

## WOOD GRAINS



EXT-SF 8150 **NEW**

Santafe Wood



EXT-SF 8586

Vintage Pine Dark





EXT-SF 9137

Nogalino



EXT-SF 4136

Wenge Teak

# EXTERIOR CLADDING

WOOD GRAINS

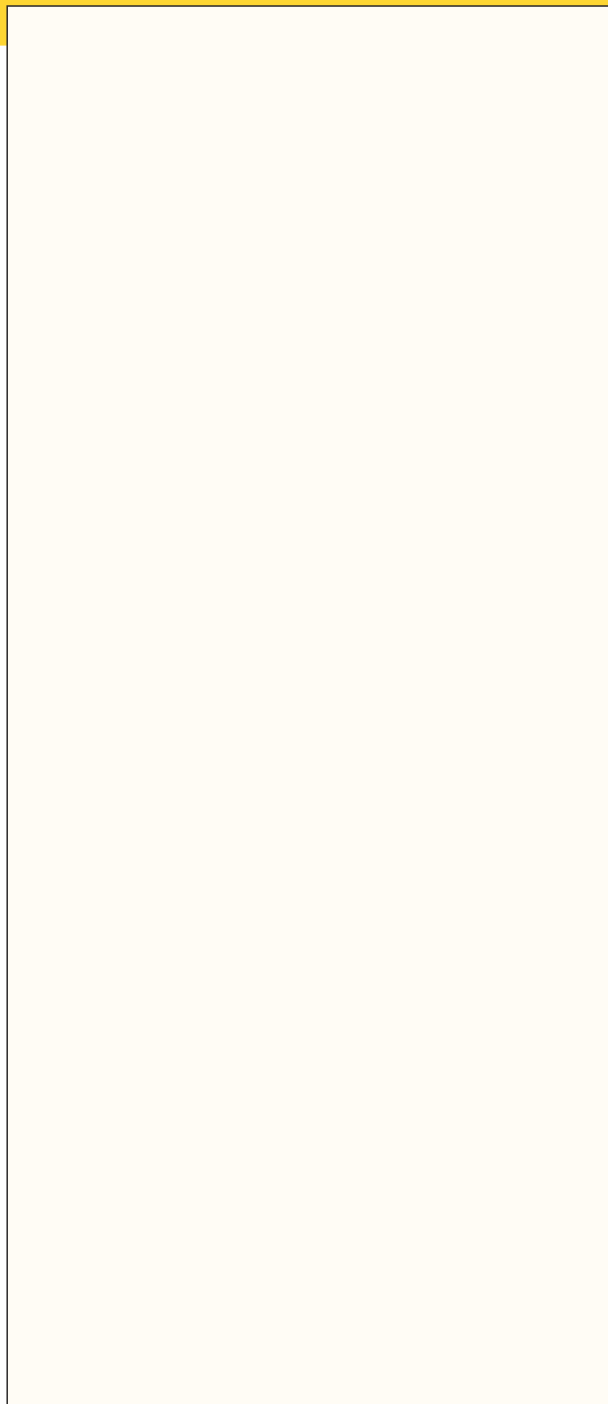


EXT-SF 8636 **NEW**

Kitami Dark



SOLID COLOR



EXT-SF 6001

Frosty White



EXT-SF 5029

Red



EXT-SF 5011

Navy Blue

# EXTERIOR CLADDING

## TECHNICAL SPECIFICATION

### TECHNICAL PROPERTIES VIR EXTERIOR GRADE COMPACT LAMINATE

	PROPERTIES	TEST METHOD AS PER DIN EN 438-2 : 2016	UNIT OF MEASUREMENT	SPECIFIED VALUES AS PER BS EN 438- 6 : 2016	VIR EXTERIOR GRADE COMPACT VALUE
		<b>EN 438-6 : 2016 Classification</b>		<b>EGS / EDS / EGF / EDF</b>	
	Dimensional Tolerances of Panel			Size ( 2440 x 1220 ) mm	
1	Thickness	EN 438-2 : 5	mm	5.0 ≤ t < 8.0 mm : max ± 0.4	±0.30
			mm	8.0 ≤ t < 12.0 mm : max ± 0.5	±0.40
			mm	12.0 ≤ t < 16.0 mm : max ± 0.6	±0.50
2	Flatness of Panel	EN 438-2 : 9	mm/m	For 2.0 ≤ t < 6.0 mm : max 8.0 mm/m	3.0
			mm/m	For 6.0 ≤ t < 10.0 mm : max 5.0 mm/m	2.0
3	Length & Width of Panel	EN 438-2 : 6	mm	+10 mm/-0	+5.0-00
4	Straightness of Edges	EN 438-2 : 7	mm/m	1.5 mm/m max deviation	≤ 1.2
5	Squareness	EN 438-2 : 8	mm/m	1.5 mm/m max deviation (calculation based on Length of panel)	≤ 1.5
Resistance to Impact by Large Diameter Ball (Shatter Resistance)					
6	Drop Height	EN 438-2-21	mm	1800 mm (Drop Height)	2200
7	Diameter of Indentation		mm	10 (max)	0.3
8	Dimensional Stability at Elevated Temperature	EN 438-2-17			
9	a) Longitudinal		%	0.30 (max.)	0.16
10	b) Transverse		%	0.60 (max.)	0.32
11	Panel Surface Visibility	EN 438-2 :4	(Dirt, spots, any similar surface defects).	≤ 2 mm <sup>2</sup> /m <sup>2</sup>	Complies
			Fibre, hair, scratches similar surface defects	≤ 20 mm/m <sup>2</sup>	Complies
MECHANICAL PROPERTIES					VIR EXTERIOR GRADE COMPACT VALUE
12	Flexural Modulus (Stress)	EN ISO 178 : 2003	Mpa	9000(min.)	10500
13	Flexural Strength (Stress)	EN ISO 178 : 2003	Mpa	80(min.)	105
14	Tensile Strength (Stress)	EN ISO 527-2 : 1996	Mpa	60(min.)	70
15	Density	EN ISO 1183-1 : 2004	g/cm <sup>3</sup>	1.35(min.)	1.40 ± 0.05
16	Resistance to wet conditions	EN 438-2 : 15	% max in mass increase	8	0.8
		Surface	Appearance (min)	4	5
		Edge	Appearance (min)	3	5

## LIGHT FASTNESS AND WEATHER RESISTANCE

	PROPERTIES	TEST METHOD AS PER DIN EN 438-2 : 2016	UNIT	SPECIFIED VALUES AS PER BS EN 438- 6 : 2016	VIR EXTERIOR GRADE COMPACT VALUE
17	Resistance to artificial weathering including light fastness	EN 438-2-29 (Contrast)	Rating	Grey scale Rating not worse than 3 after 650 MJ/M <sup>2</sup> Radiant exposure	>4
		EN 438-2-29 (Appearance)	Rating	Rating minimum 4 after 650 MJ/M <sup>2</sup> Radiant exposure	5
18	Resistance to UV Light	EN 438-2-28 (Contrast)	Rating	Grey scale Rating not worse than 3 after 1500 hours exposure	>4
		EN 438-2-28 (Appearance)	Rating	Rating minimum 4 after 1500 hours exposure	5
19	Resistance to Climatic shock	EN 438-2 : 19	Flexural Strength Index (min)	0.8	0.98
		EN 438-2 : 19	Flexural Modulus Index (min)	0.8	0.95
		EN 438-2 : 19	Rating(min)	4	5
20	Thermal Conductivity	EN 12664-2001	W/m.k	0.3	0.31
21	Durability Test, Resistance to Immersion In Boiling Water	EN 438-7-2005			
a	Mass Increase %	EN 438-7-2005	% Max	2	0.34
b	Thickness Increase %	EN 438-2 : 2016	% Max	2	0.21
c	Surface Rating Scale	EN 438-2 : 2016	Min	4	5

## FIRE PERFORMANCE PROPERTIES

	PROPERTIES		UNIT	SPECIFIED VALUES AS PER BSEN 438-6 : 2016	VIR EXTERIOR GRADE COMPACT VALUE
1	Reaction to fire	Classification standards EN 13501-1 : 2007 Tested according to EN 13823:2010 & EN 11925-2 :2010	Euro Class	Classification t ≥ 6mm	B, S1, d0
2	Flammability Test	UL-94:1997 Classification Requirements	Class	V-0	V-0
3	Spread of flame.	Classification as per BS 476-7	Class	Class-1	Class-1
4	Fire Propagation Test	As per BS 476-6	I (Index)	Test Results based upon Product Behaviour (Test Report No : 7191166866- MEC17/5-YWA)	19.1
5	Reaction to fire ( Germany)	DIN 4102-1	Class	B1	NA
6	Reaction to fire ( France )	NF P 92-501	Class	M1	NA

# EXTERIOR CLADDING

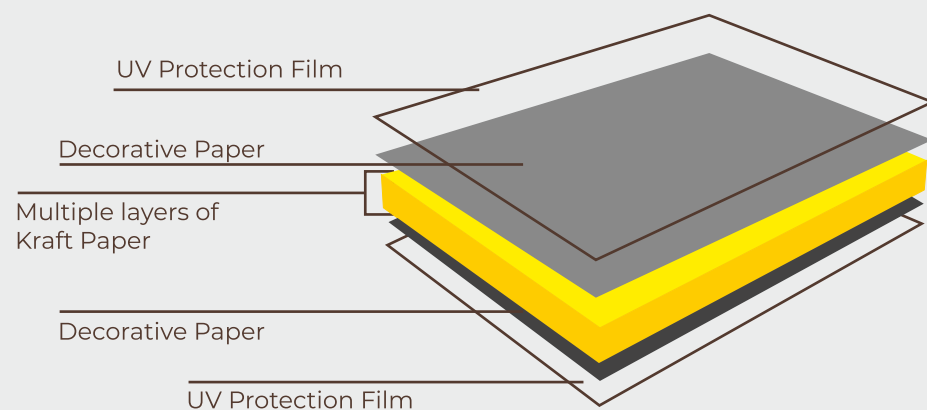
## FEATURES AND BENEFITS



### PRODUCT DESCRIPTION

Exterior compact laminate is a solid phenolic, engineered exterior facade panels have a decorative surface on both side. Robust and resilient, these rigid homogeneous panels are manufactured by VIR EXT-LAM using tough thermosetting resins reinforced with cellulose fibre for added strength and durability.

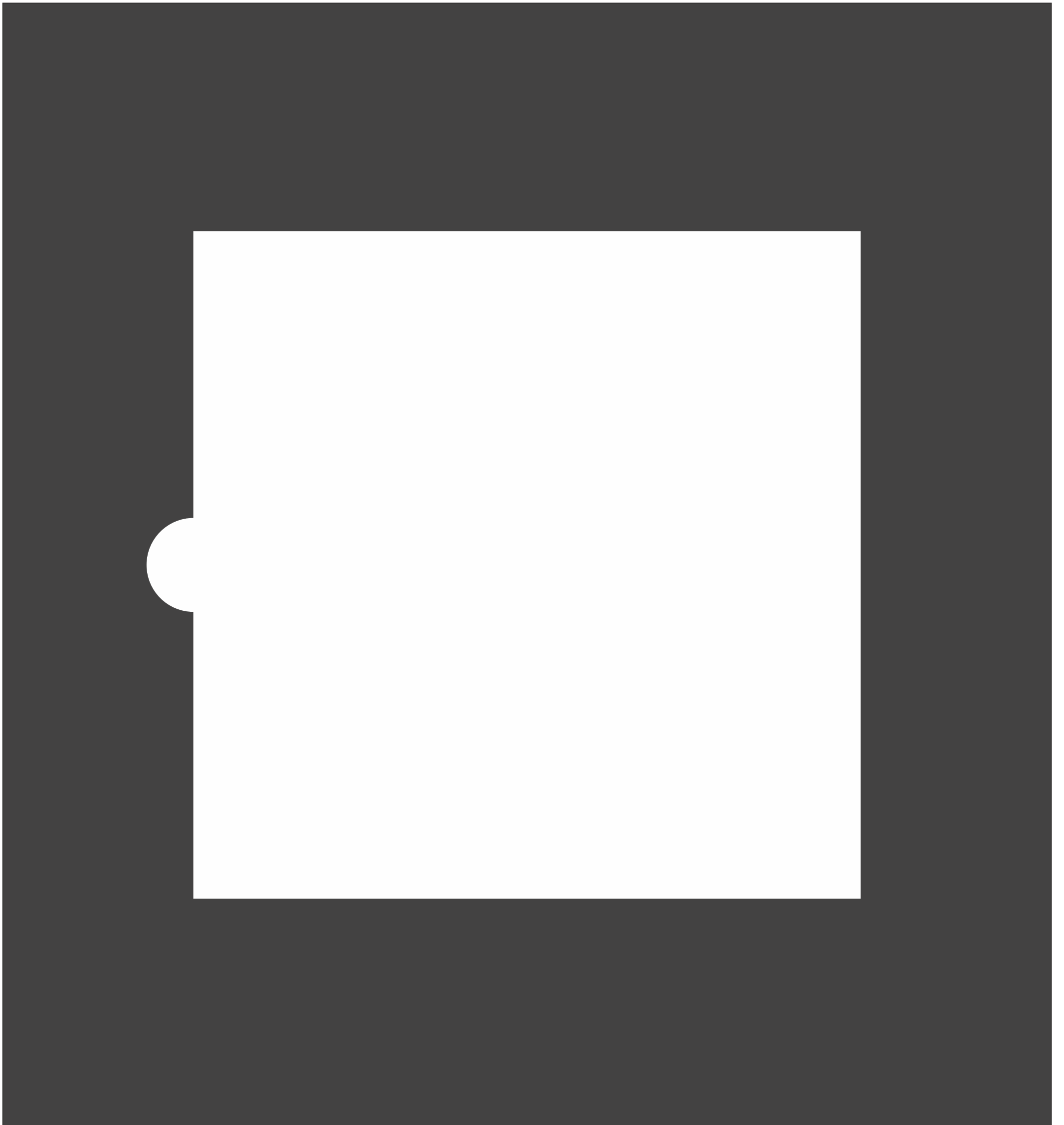
An acrylic overlay provides enhanced UV protection and accordance with EN-438-6, making them ideal for application in ventilated rain screen facades and other external building elements.

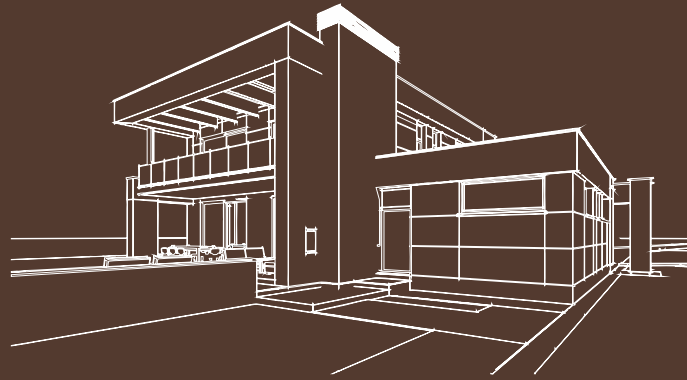


ILLUSTRATION



PRODUCT SAMPLE





# EXTERIOR CLADDING



## RUSHIL

DECOR LIMITED

WE'LL MAKE IT

### CORPORATE OFFICE :

Rushil Decor Ltd., Rushil House, Near Neelkanth Green Bungalow, Off. Sindhu Bhavan Road,  
Shilaj, Ahmedabad-380058, Gujarat, India.

### CONTACT US:

Ph. No.: +91-79-61400400 | [info@rushil.com](mailto:info@rushil.com) | [www.virlaminate.com](http://www.virlaminate.com)

Toll-Free No.: 1800 233 7952 | Fax No.: +91-79-61400401

### CERTIFICATIONS:

IS : 2046-1995  
HGS-s 333



CM/L : 7734181

IS : 2046-1995  
HGS-s 333



CM/L : 7439785



Certification Number : 242-216  
\*Environmentally Improved Low Emission Low Toxicity\*



ISO 9001 : 2015  
ISO 14001 : 2015  
ISO 45001 : 2018



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