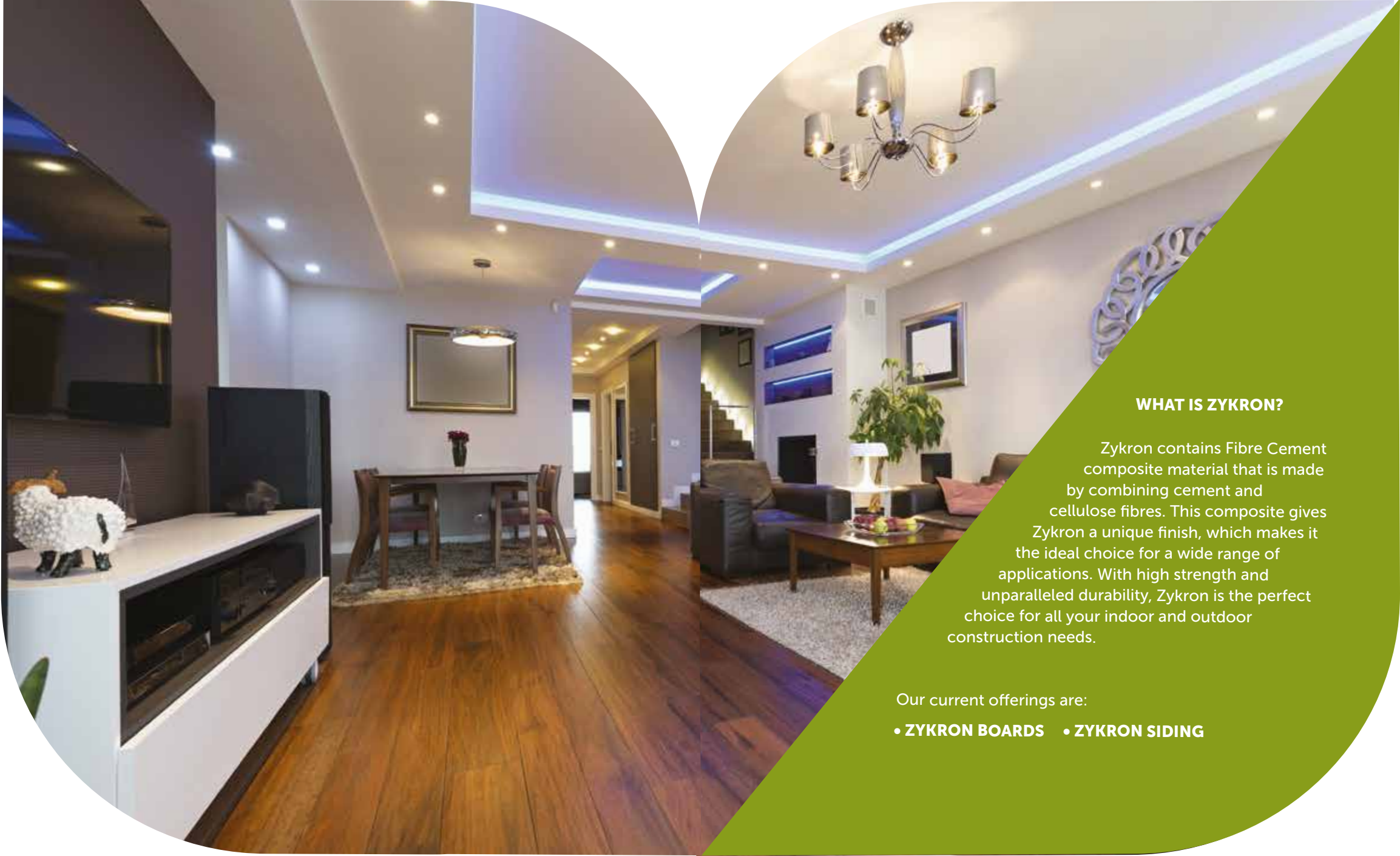


# HELLO CIVILIZATION, TURN OVER A NEW LEAF.

Here's the next generation building and construction material that will negate our impact on the environment.



  
**zykron**  
FIBRE CEMENT SOLUTIONS



## WHAT IS ZYKRON?

Zykron contains Fibre Cement composite material that is made by combining cement and cellulose fibres. This composite gives Zykron a unique finish, which makes it the ideal choice for a wide range of applications. With high strength and unparalleled durability, Zykron is the perfect choice for all your indoor and outdoor construction needs.

Our current offerings are:

- **ZYKRON BOARDS**
- **ZYKRON SIDING**



## FEATURES

Zykron's Fibre Cement Solutions have a long list of advantages that make them superior to conventional building materials, including,

- Water resistant
- Shatter resistant
- Fire resistant properties
- High density compact structure
- Extremely durable and strong
- Immune to termites and other pests
- Eco-friendly manufacturing process
- Can tolerate wide variety of weather conditions
- Easy workability – fast and convenient installation
- Can be used for indoor and outdoor applications
- Can be painted with water-soluble paint



Water  
Resistant



Eco-friendly



Termite  
Resistant



Fire  
Resistant



Asbestos  
Free

## ZYKRON BOARDS

Working with currently available building materials is a very time and labour intensive process and involves a lot of wastage and mess. In addition, unskilled labour and unpredictable weather conditions make it difficult to achieve good results on site.

The answer to all these problems is Zykrone Fibre Cement Boards. Far superior to conventional building materials, these ready-to-install boards have a great finish and can be used in a wide variety of applications.



## APPLICATIONS OF ZYKRON BOARDS

- Exterior and Interior Walls
- Base for Roofing
- Ceilings and Ceiling Borders
- Eaves and Soffits
- Tile Substrates and Underlay
- Kitchen Counters and Backsplashes
- Pre-fabricated Structures
- Floor Skirting • Partitions
- Panelling • Flooring

## SIZES

Available in 8' x 4' sheets

Thickness (mm)	4	6	8	10	12	18
Weight (kg)	17.33	26	36	51	52.32	85
No. of Board/m <sup>2</sup>	0.34	0.34	0.34	0.34	0.34	0.35

## APPLICATION SUGGESTIONS

APPLICATION	THICKNESS (mm)					
	4	6	8	10	12	18
Ceiling	✓	✓				
Panelling		✓	✓			
Partitions		✓	✓	✓	✓	
Flooring					✓	✓
Cladding			✓	✓	✓	✓
Duct Covering					✓	
Prefabricated structures			✓	✓	✓	

\*As underlying board before application of tiles or laminate flooring



## TECHNICAL SPECIFICATIONS

PHYSICAL PROPERTIES	
Density	1300 kg/m <sup>3</sup>
Length and Width Tolerance	± 2%
Thickness	± 10%
pH	7
Modulus of Elasticity	≥6000 N/mm <sup>2</sup>
Modulus of Rupture	11 N/mm <sup>2</sup>
Moisture Movement	0.09%
Water Absorption	33%
Moisture Content	12%
Water Impermeability	No water drops at underside
Squareness	≥ 2.5 mm/m
Edge Straightness	≥ 0.3 %
Impact Strength (parallel)	≥ 1300 J/m <sup>2</sup>
Impact Strength (square)	≥ 1600 J/m <sup>2</sup>

DURABILITY PROPERTIES	
Freeze-Thaw Resistance (50 cycles)	Pass
Warm Water Resistance	Pass
Soak-Dry Resistance (50 cycles)	Pass
Heat-Rain Resistance (25 cycles)	Pass

FIRE RESISTANCE PROPERTIES	
Ignitability	Class P
Fire Propagation Index	Pass
Surface Spread of Flame	Pass
Fire Resistance - Integrity and Insulation	78 min

THERMAL PROPERTIES	
Thermal Conductivity (Watt/m <sup>2</sup> Kelvin)	0.127
Thermal Resistance (m <sup>2</sup> Kelvin/Watt)	0.075

ACOUSTIC PROPERTIES	
Acoustic Insulation Value (decibels)	30

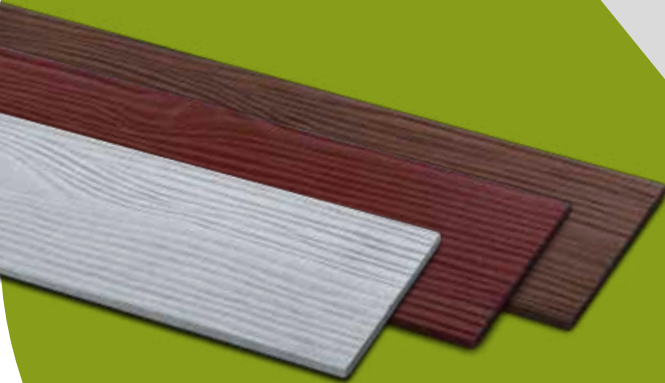


### ZYKRON BOARDS HANDLING PROCEDURE

## ZYKRON SIDING

Siding lends a wonderful finish to a building's exteriors but traditional siding has a short life cycle and is prone to fading and breakage.

Zykron siding is highly durable as it is made from Fibre Cement Composite. The textured appearance makes Zykron siding the perfect choice to enhance a building's exteriors while at the same time protect it from the vagaries of weather.



### APPLICATIONS OF ZYKRON SIDING

- External cladding
- Decorative fences
- Wall cladding
- Gate cladding

### SIZES

15 cm x 300 cm

### AVAILABLE VARIANTS

- Natural
- Black Walnut
- Glorious Ruby

## TECHNICAL SPECIFICATIONS

PHYSICAL PROPERTIES	
Density	1300 kg/m <sup>3</sup>
Length and Width Tolerance	± 5 mm
Thickness	± 0.5 mm
pH	7
Modulus of Elasticity	≥6000 N/mm <sup>2</sup>
Modulus of Rupture	11 N/mm <sup>2</sup>
Moisture Movement	0.09%
Water Absorption	33%
Moisture Content	12%
Water Impermeability	No water drops at underside

ACOUSTIC PROPERTIES	
Acoustic Insulation Value (decibels)	30

DURABILITY PROPERTIES	
Freeze-Thaw Resistance (50 cycles)	Pass
Warm Water Resistance	Pass
Soak-Dry Resistance (50 cycles)	Pass
Heat-Rain Resistance (25 cycles)	Pass

FIRE RESISTANCE PROPERTIES	
Ignitability	Class P
Fire Propagation Index	Pass
Surface Spread of Flame	Class 1
Fire Resistance - Integrity and Insulation	78 min

THERMAL PROPERTIES	
Thermal Conductivity (Watt/m <sup>2</sup> Kelvin)	0.127
Thermal Resistance (m <sup>2</sup> Kelvin/Watt)	0.075

\*Conditions apply



## ZYKRON SIDING HANDLING PROCEDURE





**Century Plyboards (India) Limited.**

6, Lyons Range, Kolkata-700001 • Tel.: +91 (33) 3940 3950 • Fax: +91 (33) 2248 3539

e-mail: [kolkata@centuryply.com](mailto:kolkata@centuryply.com) • [www.centuryply.com](http://www.centuryply.com)

For any queries, call us on 1800-2000-440 or give a missed call to 080-1000-5555

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