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Reliance
Industries Limited
Growth is Life

Reliance Industries Ltd.
Reliance Corporate Park, Bldg. 8, Wing B, First Floor,
Thane-Belapur Road, Ghansoli, Navi Mumbai 400701
Toll Free Number: 1800-889-7570
www.relwood.in

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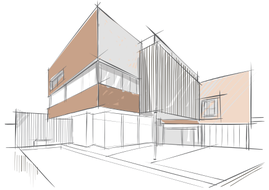
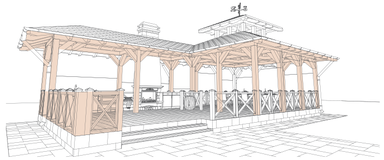
Industries Limited
Growth is Life

RELWOOD
INAGINATION

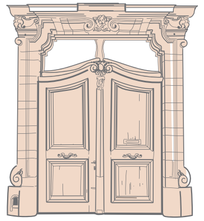
'The Fold - Unfolded'
Designed & Executed by: Roshan Fernando
RE & RI - The Design Factory, Coimbatore
Design Speciality: Single piece of RelWoodTM 12mm board bent 90 degrees at 4 points and weaved to look like fabric draped over a chair



Discover an innovative new way to bring alive your imagination.



Discover the ease in overcoming your 'material' challenges now.



Discover your springboard to iconic designs and creations.

Discover how all of this can be achieved sustainably.

Discover RelWOOD™

We bring to you RelWOOD™ from Reliance Industries Limited, an amazingly strong, durable and versatile material made with renewable resources using cutting-edge German technology that blends Material Sciences to Interfacial Sciences to help give shape to your imagination.

It can be used for a wide range of applications from walls to doors to floors to ceilings and furniture. Most importantly, it helps save trees from being cut.

Express your ideas of furniture through the most sublime creations

Now, breathe life into your most challenging furniture designs.

RelWOOD™'s thermoforming advantage and ability to work with other materials gives you the power to create furniture of any kind, whether artistic or functional, straight or curved, modern or period, ornate or minimal.

Make your ceilings as inspiring as the sky

Create imposing and enchanting ceilings that motivate and inspire.

RelWOOD™'s thermoforming advantage and ability to work with other materials makes it possible for you to visualize any ceiling design that would have otherwise seemed impossible.
Go ahead, the sky is the limit.

Let buildings express their personality individually.

For the first time, you can help buildings express their personalities through innovative exterior facades.

Created at the intersection of innovation and extreme functionality, claddings from RelWOOD™ are not only sturdy and durable for exterior applications, but also allow innovative usage to help create facades that seemed impossible previously.

Majestic decks that sweep you off your feet.

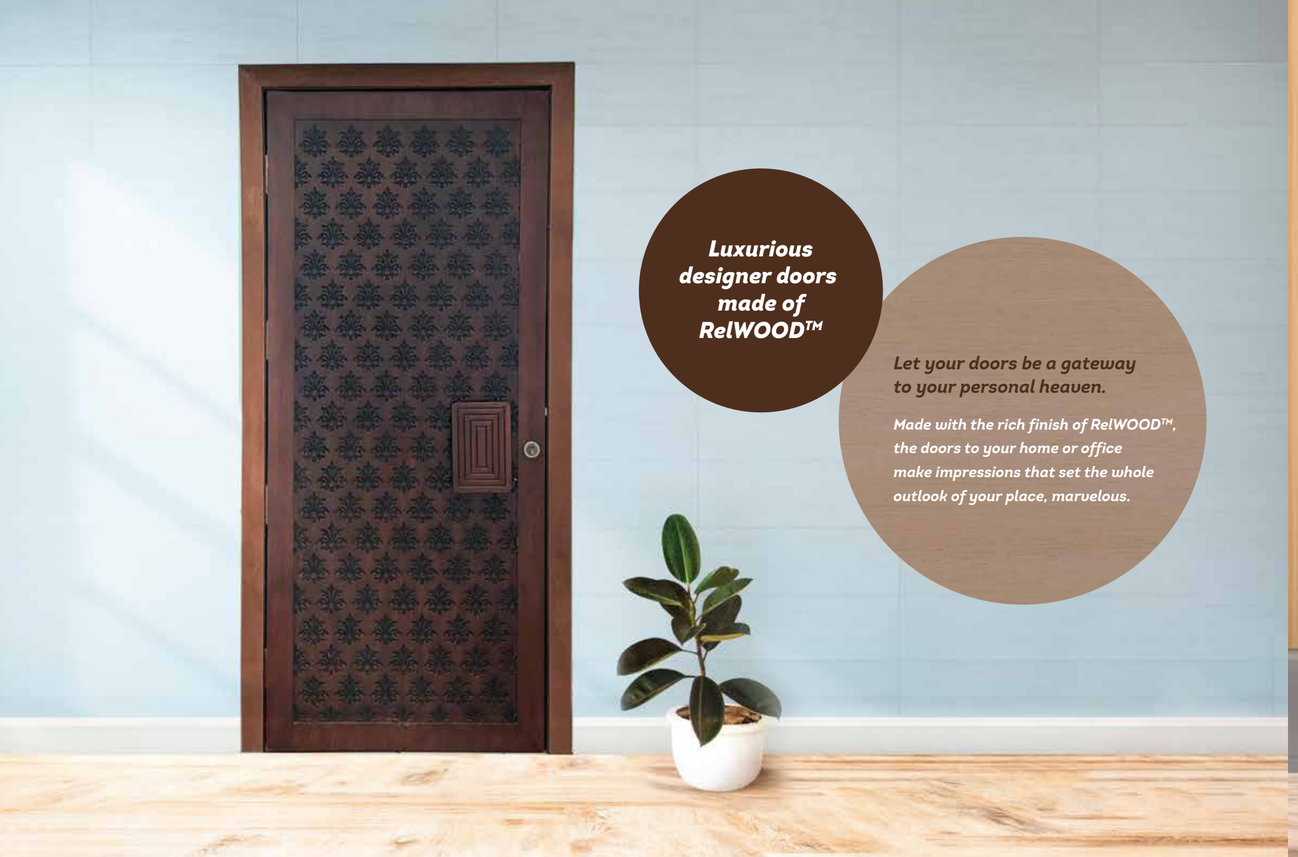
Get ready to create and experience outdoor decks that are stately to look at, and absolutely zero in maintenance.

Decking solutions from RelWOOD™ have been engineered specially to withstand continued outdoor weather adversities and remain durable and good-looking for a long period of time.

Floors that take your breath away.

Unleash the beauty of picturesque floors for indoor applications anywhere, whether a home or a hotel or an office.

Flooring solutions from RelWOOD™ have been crafted meticulously to look stunning while remaining unaffected by daily wear and tear, over a long period of time.



Luxurious designer doors made of RelWOOD™

Let your doors be a gateway to your personal heaven.

Made with the rich finish of RelWOOD™, the doors to your home or office make impressions that set the whole outlook of your place, marvelous.

Be Classy, be Stylish. All while enjoying your comfortable furniture.

Furniture that adds flavour to your place.

The thermoforming ability of RelWOOD™ allows you to design furniture that suit both indoors and outdoors, giving you beautiful spaces to live in.

Walls that have never been seen before.

Design walls that are impressive, innovative and give an amazingly premium feel to the whole place.

Indoor wall paneling solutions from RelWOOD™ have been created specially to last long, and keep looking great.

Carving

Sanding

Thermoforming

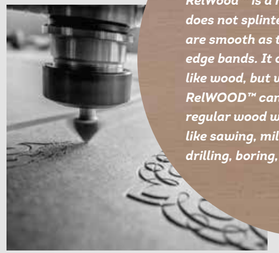
Nailing

Screwing

Cutting

Staining / Painting

Gluing



CNC Milling

Drilling

Sawing

Art of Wood Working – Made Simpler

RelWood™ is a homogeneous material that does not splinter or fray while cut. It's edges are smooth as the surface and do not need edge bands. It can be painted and polished like wood, but with a better experience. RelWOOD™ can be handled easily through regular wood working tools and techniques like sawing, milling, sanding, gluing, drilling, boring, screwing and staining.

Designed & Executed by: Srikanth Varma, Esuee Atelier
Design Speciality: Single piece of RelWOOD™ 20mm board curved smoothly in the centre to form the lower body of a glass-topped table

Now, discover the uniqueness of imagination.

Find out what makes RelWOOD™ unique.

Thermoforming Ability

Unlike wood and a few other materials, RelWOOD™ has the unique ability to be bent, curved or moulded. With this, it enables the creation and execution of flowing and fluid designs.

High Thermal & Acoustic Insulation Properties

RelWOOD™'s intrinsic structural composition allows for increased absorption of heat and sound vis-à-vis other conventional materials, for relatively cool and noise-free interiors

An earth-friend. In every way.

100% Wood-Free

RelWOOD™ is fully wood-free as it is made from non-wood materials using a manufacturing process that employs renewable resources

Prevent Cutting of Trees

RelWOOD™ is made with renewable resources and helps substitute solid wood in every possible way, thereby, preventing trees from being cut.

100% Recyclable

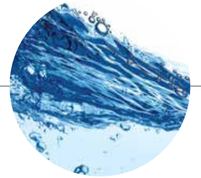
RelWOOD™'s composition is such that after active life, it can be recycled and reprocessed into other useful material for different applications.

Discover how to make imagination last

Discover the strengths that are the foundation of RelWOOD™

LOOKS & FEELS LIKE TROPICAL WOOD

RelWOOD™ has an appearance similar to and can be finished to feel like tropical wood, the most premium wood in the market.



100% Waterproof

RelWOOD™ can resist any amount of water, whether rain or a spill. It's molecular composition allows water to pass over its surface instead of being absorbed within.

Fire Retardant

RelWOOD™ is able to resist fire, as it has a chemical composition different from ordinary wood. It can endure the harshest of temperatures. It is also self-extinguishing when the source of fire is removed.

UV Resistant

RelWOOD™ can also resist the scorching effect of sunlight and harmful UV rays and preserve itself internally and externally, without graying.

100% Termite, Fungus and Borer Proof

RelWOOD™ is impervious to the bites of termites, borers, fungus and their damage. It's differentiated chemical composition vis-à-vis wood is the reason why it can resist termites.

Discover how imagination lasts as well outdoors as indoors.

RelWOOD™ withstands outdoor exposure like no other.

Sunlight

Temperature

Humidity

VOC Emission Free

No Formaldehyde

RelWOOD™ has been specially fabricated for outdoor use, and withstands weathering admirably. Unlike wood, it remains unaffected by extremes of sunlight or temperature or humidity. It does not gray or fade. There is also no fear of splintering or crumbling chips. With exposure to water, it neither swells nor contracts. It's unique composition renders it harmless to damage from termites, fungus or borers. This makes it ideal for use in outdoor applications.

RelWOOD™ Board

RelWOOD™ Board comes in the standard size of 8 ft. x 4 ft. in 4.5mm, 5mm, 6mm, 8mm, 12mm, 16mm, 18mm, 20mm, and 25mm thicknesses. Sheets are available in densities from 0.65g/cc and 0.80g/cc.

Sizes and technical details are as follows:

CHARACTERISTICS	STANDARD	UNIT	VALUE
Density	IS-2380	g/cm^3	0.65g/cc
Compressive Strength	IS-2380	kgf/cm^2	>150
Hardness	ASTM D 2240	Shore D	>65
Modulus of Elasticity	IS-2380	N/mm^2	>1400
Modulus of Rupture	IS-2380	N/mm^2	>14
Screw Holding load (Face)	IS-2380	N	>1900
Screw Holding Load (Edge)	IS-2380	N	>1450
Water Absorption	IS-2380	%	<1% (24h)
Resistance Against Fungi	DIN V ENV 12038	-	Class1 (Highest Durable)
Resistance to Rotting	CEN/TS 15083-2	-	Class1 (Highest Durable)
Resistance to Termites	ASTM D3345-08	-	Very High Resistance
Flammability	UL 94	Rating	V0 Rating
Fire Retardancy	ASTM E84	Class	Class A
VOC Emission	ISO 16000 -6	Compliance	Complies
Formaldehyde	ISO 16000 -3	Compliance	Complies
Indoor Air Quality	ISO 16000 -9	Compliance	Complies
Sound Transmission Loss	ISO 717 / IS 10420	dB	Upto 34

* RelWood NFC Board is free of Pb, Hg, Cr & Cd. * No Formaldehyde used *Relwood contains natural fibres, hence colour/shade variation is normal.

All the information given above are for a typical sample, is accurate to the best of our knowledge, and is provided without liability or commitment whatsoever. Recommendations or suggestions are made without guarantee or representation as to the result, as the conditions of use are beyond our control. Reliance Industries does not guarantee that the same results as those described here will be obtained. All material sold are subject to Reliance Industries standard terms & conditions of sale & the condition that each user shall make his own tests in their local climetic conditions to confirm the suitability of such product for the intended application. Technical specifications are subject to change.

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Sizes and technical details are as follows:

CHARACTERISTICS	STANDARD	UNIT	VALUE
Density	IS-2380	g/cm^3	0.80g/cc
Compressive Strength	IS-2380	kgf/cm^2	>160
Hardness	ASTM D 2240	Shore D	>65
Modulus of Elasticity	IS-2380	N/mm^2	>1800
Modulus of Rupture	IS-2380	N/mm^2	>18
Screw Holding load (Face)	IS-2380	N	>2000
Screw Holding Load (Edge)	IS-2380	N	>1550
Water Absorption	IS-2380	%	<1% (24h)
Resistance Against Fungi	DIN V ENV 12038	-	Class1 (Highest Durable)
Resistance to Rotting	CEN/TS 15083-2	-	Class1 (Highest Durable)
Resistance to Termites	ASTM D3345-08	-	Very High Resistance
Flammability	UL 94	Rating	V0 Rating
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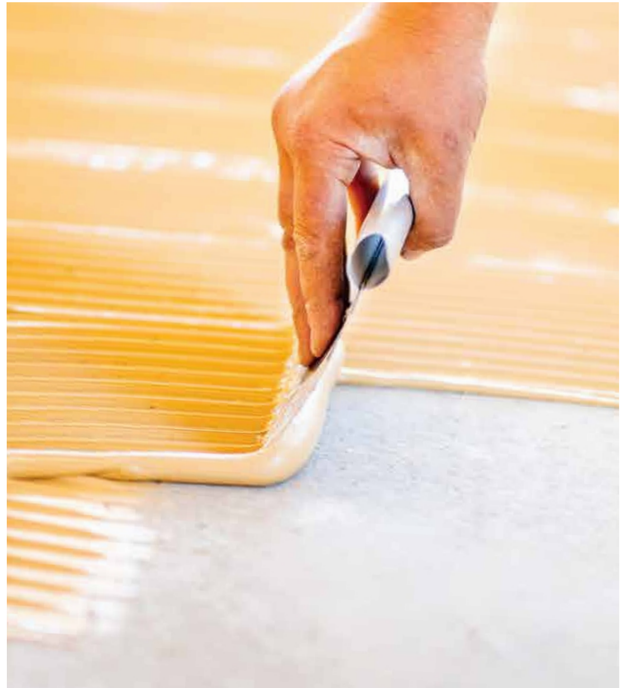
RELFIX™

RelFix™ is an Epoxy based adhesive which we recommend for bonding RelWOOD™ to RelWOOD™ or RelWOOD™ to other substrates. This 2 component adhesive specially developed for RelWOOD™ substrates provides excellent adhesion, strength and durability.

RELFIX LAMI™

ReIfix Lami™, an easy to use two-component solvent free epoxy-based adhesive is recommended for structurally bonding RelWOOD™ to thin paper-based laminate sheets or wood veneers with excellent bonding characteristics for long lasting strength.



RelSeal™

- *RelSeal™ is an Epoxy based putty recommended as a Dent or any other blemish filler for RelWOOD™ sheets.*
- *This putty is mainly used on the RelWOOD™'s surface to hide the inherent dents on the surface and nail joints made during the work.*
- *Overall, it improves the surface uniformity, and provides a uniform texture on the area of application.*

Warranty Letter

As the leading manufacturer of high-quality natural fibre polymer composite boards and profiles, we hereby extend a warranty on the supply of RelWOOD™ sheets against any manufacturing defect and damages by termites, for a period of 21 years from date of purchase. This warranty shall not be applicable inte-ralia in the following instances:

1. In case of any query/ complaint/ assistance regarding the Product, please write to us at care.relwood@ril.com
2. Any damage to the Product arising from normal wear and tear.
3. Any consequential damage to the Product caused directly or indirectly from transportation, improper storage, handling, wrong workmanship or installation.
4. Any damage to the Product as a result of natural disasters which are beyond one's control.
5. Any damage occurring as a result of alteration or combining of our Product with any other brands or inferior quality material/ goods.
6. Commercial or economic loss including any direct, indirect or consequential loss resulting from the use of the Product.

This is the only express warranty made by us with regards to the merchantability and fitness of our Product and this warranty shall operate only in case of direct purchases of the Product from us.

A refund equivalent to the value of the Product or a replacement of the quantity of the damaged Product would be considered only on production of invoice and duly stamped warranty letter, within days from the date of purchase. We reserve the right to take samples of the damaged portions of the Product for testing purposes.

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