



Resysta®
THE BETTER WOOD

INTERIOR DESIGN

TIMELESS ELEGANCE

25 YEARS
WARRANTY

- no swelling
- no cracking
- no splintering
- no rotting

Resysta®
THE BETTER WOOD

..... 100% no wood, water-resistant, skid-resistant, dimensionally stable

Material

»Resysta is extremely resistant and features an excellent eco-balance «

Technical and ecological assessment of the new material Resysta:

Resysta looks like wood and stands out for its high mechanical strength, thermal stability as well as chemical resistance. Unlike wood, Resysta is swell-, splinter- and crack-free, does not gray or fade and withstands pest infestation. Resysta products are therefore very durable without requiring special care or maintenance. Resysta is a true alternative to tropical wood.

It is therefore especially suitable for outdoor use like garden furniture and outdoor decking as well as for wellness and pool areas, where high strain, aggressive weather, temperature and environmental influences take effect. Resysta products furthermore provide for an exceptionally beneficial eco-balance. In short: Resysta deserves the title »The better wood« in every sense.

Prof. Dr. Karl Stetter Chemist with diploma
Specialist in varnishes, surface coating compositions, wood preservation, adhesives and their effect on the environment as well as interior harmful substances:
Officially appointed and authenticated by the Chamber of Commerce and Industry for Munich and Upper Bavaria



Resysta outshines in...

...PRODUCT PROPERTIES

- UV-resistance
- weather resistance
- water resistance
- salt- and chlorine-water resistance
- no cracking
- no pest infestation or fungal decay
- flammability classification B2 (with additives, B1 classification possible)

...SURFACE AND DESIGN

- wood feel and appearance
- skid resistant
- no splintering
- individual color scheme

...HANDLING

- easy installation
- customary tools
- easy to refinish

...SUSTAINABILITY

- no rotting
- 100% recyclable
- easy-care

Resysta is not a wood plastic composite (WPC) and yet surpasses all known alternative wood materials in feel and durability!



Redesign of Wet Areas into Wellness Oases

Resysta is 100 % water-resistant, its application capabilities are almost unlimited. No matter if used as planking around a pool or flooring in a bathroom - wetness and moisture have no effect on Resysta. Everyone looking for a material suitable for interior application, creating a warm ambience in wet areas, without abandoning the classy look of tropical wood, will find the perfect solution in Resysta.



Resysta provides elegant wall cladding and decking redesign wet areas into luxurious oasis. In terms of safety Resysta decking provides best skid resistance. This material requires minimum maintenance - even intensely utilized surfaces - like wash basins or bathtub cladding - do not swell when in contact with moisture.

Items

RESWF114125 - FRONT SIDE
(W x H x L) 1 1/4" x 12" x 5'



RESWR114125 - END RIGHT
(W x H x L) 1 1/4" x 12" x 5'



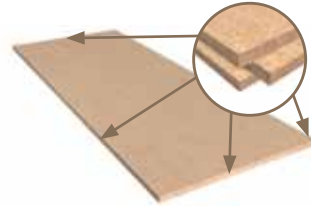
RESWL114125 - END LEFT
(W x H x L) 1 1/4" x 12" x 5'



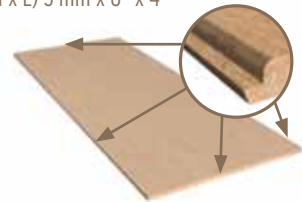
RESWC114122 - CORNER
(W x H x L) 1 1/4" x 12" x 2'



RESTG784
(W x H x L) 7 mm x 8" x 4'



RESP584
(W x H x L) 5 mm x 8" x 4'



RESSL5812
(W x H x L) 5 mm x 8" x 12'



RESCP120612
(W x H x L) 1/2" x 6" x 12'



Color & Protection

Classic or modern - with the protection glaze, which is especially formulated for the Resysta surface, the decking can be perfectly maintained and thus be protected against infiltration of dirt caused by wear and environmental influences. With selected color shades the surface finish of your choice can easily be created and refinished if necessary.

The water based formula is odorless and quick-drying. Signs of usage can easily be removed. In diluted form, the color glaze can be facilely refreshed, as required. All color shades may be mixed and applied with each other.

Sealing with Resysta RFS

Resysta RFS seals the surface. Thanks to this sealed structure, dirt particles only adhere to the surface and can be removed easily with a gentle jet of water (i.e. garden hose) or with a soft brush.



Bonding with Resysta Products

We recommend the special developed bonding adhesives to install Resysta profiles. Please take the Resysta Bonding brochure in consideration.

RESYSTA POWER PRIMER (pre-treatment)
RESYSTA TURBO TACK (wall & ceiling)



RESYSTA FLOOR BOND (floor)



Applications

All the very exceptional properties make Resysta extremely resistant to weather influences like sun, rain, snow and ice, salt- and chlorine-water. Resysta does not swell, crack, splinter or rot. This we guarantee 15 years for commercial and 25 years for residential homes.



washstand | Kitzbühel



atrium | Miami



conference room | Frankfurt



bath room | Hong Kong

FAQs

Is it difficult to install Resysta?

No, Resysta can be installed as easy as any other terrace system. Please observe the instructions given in our installation guide.

Why is Resysta so durable?

Owing to its unique composition of ingredients, Resysta is very durable, sustainable and therefore environment-friendly. Resysta does not contain any wood components, which could result in graying.

Why does Resysta not crack?

Resysta on the one hand does not absorb moisture and on the other hand does not release any moisture. Therefore, crack-formation cannot take place.

How can Resysta be installed at the bathroom wall?

Resysta can easily be glued on even surfaces. For installation on an uneven surface, we recommend the use of an adequate substructure.

Is Resysta supplied already colored?

No, Resysta is delivered untreated and should be colored before installation. The premium pigments contained in our Resysta FVG glaze are UV-resistant. Optimal surface protection is provided by the subsequent treatment with Resysta RFS sealer making it very easy to maintain.

Further information is provided at www.resysta.com or at your authorized dealer.

Properties

Density	ASTM D2395:2002	approx. 1.46 g/cm ³
Coefficient of Linear Thermal Expansion	ASTM D696	3.6x10(-5)mC
Water Absorption and Air Humidity Behaviour	ASTM D1037:2006a	none or very low water absorption (only surface wetting)
Weathering and UV Resistance	QUV Test	Resysta surfaces treated with glaze show extremely high resistance
Skid Resistance	DIN 51097	C Rating (highest rating)
Fire Behaviour (German Standard)	EN ISO 11925-2	B2, normal flammability (by adding flame retardants, a higher rating of B1 can be reached)
Fire Behaviour (US Standard)	ASTM E84	A Rating (flame propagation 25, smoke emission 450)
Fire Behaviour (British Standard)	BS 476 Part 6&7	Rating 1
Durability (Resistance to Wood-Destructive Fungi)	DINV ENV 12038:2002	the material has not been affected, highest durability - Class 1
Emission	DIN EB ISO 9001/14001	passed
Brinell Hardness (HB)	EN 1534	81,1 N/mm ²
Friction Coefficient μ untreated	EN 13893	0,46
Friction Coefficient μ with 2K	EN 13894	0,52
Axial Withdraw Resistance	EN 320.2011-07	5777 N

Globally renowned institutions carry out tests according to German, British, European and US standards.



Innovation



We at Resysta believe in keeping our natural resources. Resysta has the visual appearance, feeling and structure of tropical wood, with absolutely no wood in it. We use a renewable resource that is replaced in short cycles - rice husks. Resysta, a sustainable material provides only the benefits of a wood-look product, but without the hassles of wood. No greying or cracking. Recyclable, water resistant and can be stained in over 21 colors. Enjoy Resysta and proudly know, along with us, you are preserving the world in which we live.

Learn more at www.resysta.com

Resysta – Winner across the board

Resysta has been awarded the distinguished anniversary contest in the category "Construction".



Resysta has been awarded the "Design & Product Award" in the category "Design Materials".



Resysta has been awarded with the "Innovation Award Architecture and Building - Category Sustainability".





The Future Formula is Called Resysta.

Raw materials used:



approx. 60% rice husk + approx. 22% rock salt + approx. 18% mineral oil = Resysta

All specifications provided are subject to our installation guidelines and appropriate use at outdoor exposure.

The installation guide may be adapted to technical progress without prior notice.

The current version can be downloaded at www.resysta.com.

Subject to alterations. Slight deviations in color, photos and graphics could occur due to printing process.





Providing Architects and Builders with
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Commercial | Luxury Residential | Municipal

Extended Team

We can also provide technical consultation and installation training for projects that involve Buzon Pedestals. Please contact us to discuss your particular needs. HDG Building Materials also has a network of experienced installers in many major cities. Please contact us for introductions or referrals.

Sales Representatives

Sales representatives for HDG Building Materials are located in the Pacific Northwest, Southern California, and Iowa.

Outside of those regions? No problem, we are happy to serve. Please contact us at 503.360.9551



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HDG Building Materials is an expert dealer for Resysta Rainscreen, Cladding, and Decking. HDG provides architectural sales and support in North America.

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