



Resysta®  
THE BETTER WOOD

# DECKING

BEAUTIFUL LIKE NATURE



15 YEARS  
GUARANTEE

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

Resysta®  
THE BETTER WOOD

.....100% no wood, water-resistant, splinter-proof, 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 convinces 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 resistance
- 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!

# Resysta Floor-Boards

ground smooth side



color-untreated surface

Resysta - the better wood - surpasses nature's model in nearly all respects. It is water-resistant, does not splinter, swell or crack and is resistant to pest infestation and fungal decay. At the same time, Resysta requires minimal maintenance,

is very versatile in coloring and shaping and is highly slip-resistant. All these properties make Resysta especially suitable for all areas exposed to influences by weather and humidity.

# One Material, Two Sides

corrugated side



color-untreated surface

Environmentally friendly Resysta glazes, available in different color shades, provide additional protection and care. As the name implies, Resysta reversible floor-boards can be installed on either side. No matter which

side you choose - Resysta floor-boards are the perfect solution for water-resistant flooring with the look of wood.

**LATEST TEST RESULT - Classification C according to DIN 51097:**  
Resysta provides best skid resistance on the smooth side as well as on the corrugated side. Therefore, it is perfectly suitable for wet barefoot areas.

# Items

## RESYSTA DKG 12522

(W x H x L) 125 x 21 x 2900 mm



## RESYSTA FPS 7020

(W x H x L) 70 x 20 x 2900 mm



## RESYSTA RUH 3825

(W x H x L) 38 x 25 x 2900 mm



## RESYSTA RR 12

(W x H x L) Ø 12 x 1000 mm



## RESYSTA RUH 7038

(W x H x L) 70 x 38 x 2900 mm



## RESYSTA EC 1212

(W x H x L) 12 x 12 x 1450 mm



## CLIPS AND SCREWS

The clip has to be screwed to the runner, to secure the floor-board. By means of the special terrace construction screw, the floor-board can be screwed directly onto the substructure without using a clip.

### Legal Notice:

Resysta floor-boards and the substructure have been especially developed for terrace flooring. These items hold no permission under building law and may therefore not be applied for supporting constructive purposes. Please comply with the local building regulations, the installation guide and the technical information.

# Color & Protection

Classic or modern - with the protection glaze, especially formulated for the Resysta surface, the decking can perfectly be 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. Traces of use can easily be removed. In diluted form, the color glaze can be facily refreshed, as required. All color shades may be mixed and applied with each other.

## Resysta Color Concept - FVG glazes



## 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.





# 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 for 15 years.



private villa | Key Biscane



hotel pool | Kitzbühel



outdoor hotel facility | Meran



outdoor hotel pool | Sölden



golf club | Cape Town



private house | Dresden



# 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 and dimensional changes are limited to thermal expansion.

## Does the color lighten up or gray after some time?

Resysta will not gray. However, in the course of time a certain fading - depending on environmental conditions - may occur. This can be avoided or slowed down by using our glazes. The colored surface can be refreshed at any time.

## Is it possible to install Resysta around a pool?

Yes, as Resysta is chlorine- and salt-water resistant. Furthermore Resysta offers best skid-resistance and is therefore perfectly suitable for wet barefoot areas.

**Further information is provided at [www.resysta.com](http://www.resysta.com) or at your authorized dealer.**

# Properties

Density	ASTM D2395:2002	approx.1.46 kg/m <sup>3</sup>
Coefficient of Linear Thermal Expansion	ASTM D696	3.6x10 <sup>(-5)</sup> 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)	NFPA	A Rating (flame propagation 25, smoke emission 450)
Fire Behaviour (British Standard)	BS 476 Teil 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 <sup>2</sup>
Friction Coefficient $\mu$ untreated	EN 13893	0,46
Friction Coefficient $\mu$ with 2K	EN 13894	0,52

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



# Innovation



A wide belt of tropical rain forests covers our earth. It's the home of countless animals and plants, some of them not yet discovered. This "green lung" stores a large volume of carbon dioxide and is essential for regulation and preservation of the global climate. However, as long as the demand for tropical wood increases, saving the rain forests is easier said than done. With Resysta everybody can help to save the rain forests. Resysta is 100 % wood-free. This means that not a single tree had to be cut down for it. Learn more at [www.resysta.com](http://www.resysta.com)

## Resysta – Winner across the board

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

**DETAIL**  
ZEITUNG FÜR ARCHITECTUR • QUARTER • ZEITUNG FÜR ARCHITECTUR • ZEITUNG FÜR ARCHITECTUR

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

**dwell**  
ON DESIGN

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

**AIT**



# 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](http://www.resysta.com).

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

[www.resysta.com](http://www.resysta.com)