



DECKING

BEAUTIFUL LIKE NATURE

**25 YEARS
GUARANTEE**

- swell-free
- crack-free
- splinter-free
- rot-free



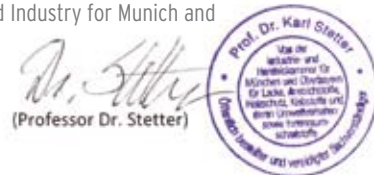
..... 100% wood-free, water and skid resistant, splinter-free

The Material

»Resysta ist extrem resistent und provides for an especially beneficial eco-balance«

Technical and ecological assessment of the new material Resysta: Resysta **looks like wood** and offers high mechanical strength, thermal stability as well as **chemical resistance**. **Unlike wood, Resysta is swell-, splinter- and crack-free, does not grey or fade and withstands fungal decay.** Products made of Resysta are therefore **very durable** without requiring special care and maintenance. This material is **a real alternative to tropical wood.**

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



Owing to these characteristics, Resysta is especially suitable for outdoor use, e.g. it can be worked for garden furniture, outdoor decking as well as wellness and pool areas. Simply everywhere, high strain, aggressive weather and environmental influences become effective. Furthermore, products made of Resysta provide for an especially beneficial eco-balance. In short: Resysta deserves the title »The better wood«.

Resysta Surpasses Wood in Many Ways!

- 100 % wood-free
- weather resistant
- water resistant
- dimensionally stable
- salt water resistant
- barefoot friendly / splinter-free
- swell-free
- crack-free
- rot-free
- high skid resistance
- individual coloring
- minimal maintenance required
- resistant to insects and fungal decay
- usable on either side (with and without corrugation)
- easy to install
- recyclable



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

Resysta Planks

Smooth Side



untreated surface

Resysta - The better wood - surpasses nature's model tropical wood in nearly all respects. It is resistant to weather, pests and fungal decay as well as splinter-, swell- and crack-free. At the same time, Resysta requires minimal maintenance,

is slip resistant and available in diverse shapes and colors. All these characteristics make Resysta Decking especially suitable for areas exposed to weather or humidity.

One Material, Two Sides

Corrugated Side



untreated surface

Environmentally friendly Resysta Glazes, available in different color shades, offer additional protection and care for Resysta Decking. As the name implies, the Resysta Turning Profile can

be installed on either side. No matter which side you choose, Resysta Decking is the perfect solution for water resistant floor coverings with the look of wood.

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

Protection & Colors

Classic or modern - with the protection cover especially adapted to the Resysta surface, you can maintain your decking and thus keep it clean from wear, tear and safeguard it against environmental influences. With selected color shades you can create the surface finish of your taste easily and re-treat whenever you want.

The water based formulation is completely odorless and quickly drying. Even after extreme strain, your decking can easily be refreshed owing to the simple and smooth application. All color shades can be mixed and applied with each other as additive fountain solution.



Burma - FVG-C 08

Finishes the surface with a classic, warm teak shade.



Siam - FVG-C 14

Enriches the surface with an extravagant and modern shade.



Transparent - FVG-C 00

Protects the flooring and maintains the natural color shade at the same time.



2K Protection Varnish

Used for high traffic areas, e.g. in the hotel and catering business.



Java - FVG-C 24

Gives the surface a pleasing cognac shade.



Aged - FVG-C 23

The surface appears like teak patina, with a noble, silver shimmer.



Walnut - FVG-C 51

A particularly pleasant and warm touch for your decking.



Units

Our glazes are ready-mixed 1/4 und 1 gal.

Items



Outdoor Decking

Measurements in inch:
1" x 5 1/2" x 12', 16', 20'

Resysta Decking is usable on either side.



Joist

Measurements in inch:
1" x 11/2" x 12'

The runner supports the decking profile.



Clip/Stainless Steel Screw

The clip is placed between the planks in order to fix the decking.



Dowel

Measurements in inch:
1/2" OD

The dowel can be used to fill any constructions holes.



End Plate

Measurements in inch:
3/4" x 2 3/4"

The end plate frames the decking and ensures a seamless finish.



Edge Cap

Measurements in inch:
1/2" x 1/2"

The end cap frames the decking on the long and front side.

Legal Advice: Resysta Decking and Runners have been especially developed for terrace coverings.

The items have no general technical approval and are therefore not suitable for supporting constructive purposes. Local building codes are to be considered as well as the installation instructions and technical information.

Applications

Resysta is absolutely wood-free. Furthermore, owing to the content of rice husks, which do not absorb any water, it is also water resistant.



privat villa



outdoor pool



privat pier



balcony

These special characteristics give Resysta high resistance to climatic conditions like sun, rain, snow and even salt water. Resysta does neither swell, nor crack or splinter - this, we guarantee for 25 years.

FURTHER APPLICATIONS



cladding privat house



boat deck

FAQ

Is it difficult to install Resysta?

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

Why is Resysta so durable?

Owing to its unique mixture and combination of the materials used, Resysta is very durable. It does not contain any wood, which normally leads to graying.

Why does it not crack?

Resysta does on the one hand not absorb, but also not release any moisture. Therefore, dimensional modifications are limited to thermal expansion.

Does Resysta fade or gray after some time?

Since Resysta does not contain any wood, it will not gray. However, in the course of time a certain fading, depending on environmental conditions, is possible. By using our glazes this can be avoided respectively slowed down.

Is it possible to install Resysta Decking around a pool?

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

For further information please go to www.resysta.com or ask you authorized dealer.

Characteristics

| | | |
|-----------------------------------|---|--|
| MATERIAL | Resysta Homogenous extrusion | |
| RAW MATERIALS USED | Rice husks Common salt Mineral Oil | approx. 60 % approx. 22 % approx. 18 % |
| MATERIAL CHARACTERISTICS | | |
| Thermal Conductivity | | approx. 0,14 W/(mK) |
| Density | | approx. 75 lb /sq ³ |
| Humidity behaviour | Low to no humidity absorption or dimensional change | |
| Water absorption behaviour | Low to no absorption of water or dimensional change | |
| Extension stability | Screw extension stability according to EN 320 Extraction force axial Extraction resistance axial | 4202 N 180 kN/sq ² |
| Temperature influence | Linear thermal coefficient of expansion | 3.6x10(-5) 1/K |
| Chemical Resistance | According to DIN68861 - Part 1 Correspondingly higher with suitable surface treatment. Advantage: lower penetration, regrinding possible | 1 C |
| Fire rating | Class A | |
| Emmission | LGA tested (requirements fulfilled) Formaldehyde emission PCP (pentachlorophenol) TeCP (tetrachlorphenol) DEHP (Di-ethylhexylphtalate) BBP (Benzylbutylphtalate) DBP (di-n-butylphtalate) | < 0.01 ppm < 8 x 10 ⁻⁶ oz / lb < 8 x 10 ⁻⁶ oz / lb < 0.05 % < 0.05 % < 0.05 % |

An Innovation



A wide belt of primeval forest covers our earth. They are home to innumerable animals and plants, which partly are not even discovered. Our green lungs store a large volume of carbon dioxide and are essential for the regulation and maintenance 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 we help to maintain this valuable life support for everyone. Resysta is 100% wood-free, not a single tree needs to fall for it. Learn more under www.resysta.com.

Resysta – Winner Across the Board

Resysta has been awarded with the **Innovation Award Architecture and Building – Category Sustainability** during BAU in Munich.

For several years, this award is organized by the leading architectural magazines AIT and XIA during BAU Munich.

Congratulations!





The Future Formula is Called Resysta.

Raw materials used:



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



www.silverwoodflooring.com

All details provided apply to our installation guide and the corresponding use during outdoor exposure.

Tolerances in dimension are subject to production. Please inform your authorized dealer about obvious defects before installation.

Our installation guide can be adapted to technical progress without giving notice. The current version can be downloaded from www.resysta.com

Subject to alteration. Abberations to the original colours, images or graphics are based on printing techniques.

www.resysta.com