DECKING
BEAUTIFUL LIKE NATURE

25 YEAR WARRANTY

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

100% wood-free, water and slip resistant, splinter-free
Resysta material impresses with its unique properties not only with its longevity but also in feel, look and the diversity of potential applications for decking design.

Due to the high material density Resysta is especially resistant to rain, snow and ice. Does not swell, splinter, shrink or crack, Resysta differs from other materials, because Lignin is the substance that causes wood to gray when exposed to weather influences. Resysta does not contain any wood components and will therefore not gray. Thanks to certified durability classification 1 against fungal decay - Resysta meets highest demands in this regard.

Resysta has been especially developed for outdoor areas. It withstands climatically challenging conditions and aggressive changes in weather, environment and temperature. Thanks to these exceptional properties, Resysta represents the ideal material for facades as well as for decking construction and installation in bathrooms and areas with high humidity.

The polar properties of Resysta allow for the perfect adherence of Resysta stains - the perfect precondition for long-lasting color design of the Resysta decking. Color chipping and flaking of the Resysta surface cannot occur. The Resysta stains contain color pigments of the highest quality standard and are not destroyed by UV-light.

Decks treated with Resysta stains show almost no visible changes even after a period of 5 years. This refers to color intensity, which may vary by approx. 10% as well as to the durability of the material. Therefore, elaborate refinishing, sanding and painting of the deck is not required before 5 years.

**RESYSTA DECKING ADVANTAGES:**
- Owing to Resysta’s polar properties, Resysta stains perfectly adhere to the surface.
- Resysta does not absorb water. Therefore flaking of the stain or sealer does not occur.
- No graying of the surface.
- Barely visible changes in color, even after many years.
- High screw withdrawal resistance.
- Durability category 1 (very durable) against fungal decay.
The Material

»Resysta is extremely resistant and provides for an especially beneficial eco-balance«

Technical and ecological assessment of the Resysta material: 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. 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.

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
• Class A Fire Rating according ASTM E84

...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!
**Items**

**RESG010612 GOLD**  
(W x H x L) 1" x 5 1/2" x 12'  
Available in 12' & 16' length.

**RES010612 PLATINUM**  
(W x H x L) 1" x 5 1/2" x 12'  
Available in 12' & 16' length.

**RESF12812 FASCIA**  
(W x H x L) 1/2" x 8" x 12'

**RESJ010212 JOIST**  
(W x H x L) 1" x 1 1/2" x 12'

**RESEND6 END STRIP**  
(W x H x L) 5/8" x 5/8" x 6'

**RESDOWEL3 DOWEL**  
(Ø x L) 1/2" x 3'

**RESCALEIPS200 DECKING CLIP**

**RES010312 END PLATE**  
(W x H x L) 3/4" x 2 3/4" x 12'

**RES010812 PLATINUM**  
(W x H x L) 1" x 7 1/2" x 12'

**RESEDGE6 EDGE STRIP**  
(W x H x L) 1/2" x 1/2" x 6'

**RES010612 PLATINUM**  
(W x H x L) 1" x 7 1/2" x 12'

**SCOPE OF DELIVERY**

**Color & Protection**

**Chose from beautiful 6 standard stain colors.**

- Burma
- Siam
- Aged Teak
- Java
- Cape Cod
- Walnut

**Resysta Color Concept, special colors**

- Pale Golden
- Dark Burma
- Dark Siam
- Rust
- Light Taupe
- Dark Taupe

- Mustard Green
- Sage
- Green/Blue
- Lavender
- Terra Cotta
- Dark Grey

- Mahogany
- Palisander
- Yellow Teak
- Concrete Grey
- Bright Red
- Red

- Blue
- Apple Green
- Moss Green
- Anthracite
- Black
- White

**Surface treatment procedure**

Resysta Color Concept provides unique opportunity to create stunning projects with the variety of over 30 colors. We pride ourselves to offer the only composite product on the market which can be refinished based on customers color preference.

**RESYSTA BASE PRIMER RBP**

**Primer:** An aqueous, colorless primer based on an acrylate dispersion. Resysta RBP Primer conveys a good adhesion, closes the surface against ingress of water, and facilitates even application of the transparent colored Resysta RCL stain. Resysta RBP Primer can be used for indoor and outdoor areas.

**RESYSTA COATING LAYER RCL**

**Coating:** A water-based 1-component protective stain for color designing of Resysta surfaces. RCL finish is specially designed for indoor and outdoor use and features very good weather- and water-resistance. Scope of application is decorative color design for Resysta facades, decking, roof soffits.

**Prime + RCL**
Applications

All of its 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. We provide a limited warranty up to 25 years in residential applications and up to 15 years for commercial.

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 rotting and splintering.

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 stains. 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 areas.

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

Density
Coefficient of Linear Thermal Expansion
Water Absorption & Humidity
Weathering and UV Resistance
Slippery Test (test area barefoot)
Fire Rating
Fire rating according NFPA (US Norm)
Fire rating (British standard)
Durability - Resistance against wood-destroying fungi
Emission
Brinell Hardness (HB)
Coefficient of sliding and friction μ untreated
Coefficient of sliding and friction μ with 2K varnish
Axial Withdrawal Force (of Screws)
Thermal Conductivity (λ)
Water Vapour Transmission
Bending Strength
Bending Modulus
Tensile Strength
Tensile Modulus
Shearing Strength
Durability - Resistance against rotted fungi
Durability against mold and wood discoloring fungi
Durability against subterranean Termites
specific surface and volume resistances

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 the benefits of a wood-look product, but without the negative aspects of wood. No greying or cracking. Recyclable, water resistant and can be stained in over 30 colors. Enjoy Resysta and proudly know, along with us, you are preserving the world in which we live.

Learn more at www.resystausa.com

Resysta – Winner across the board

Resysta has been awarded at the distinguished anniversary contest in the category “Construction”.
Resysta has been awarded at the “Design & Product Award” in the category “Design Materials”.
Resysta has been awarded with the “Innovation Award Architecture and Building - Category Sustainability”.

Globally renowned institutions carry out tests according to German, British, European and US standards.
The Future Formula is called Resysta.

Raw materials used:

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

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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.resystausa.com

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

www.resystausa.com