

Some miracles happen...



...some are invented.



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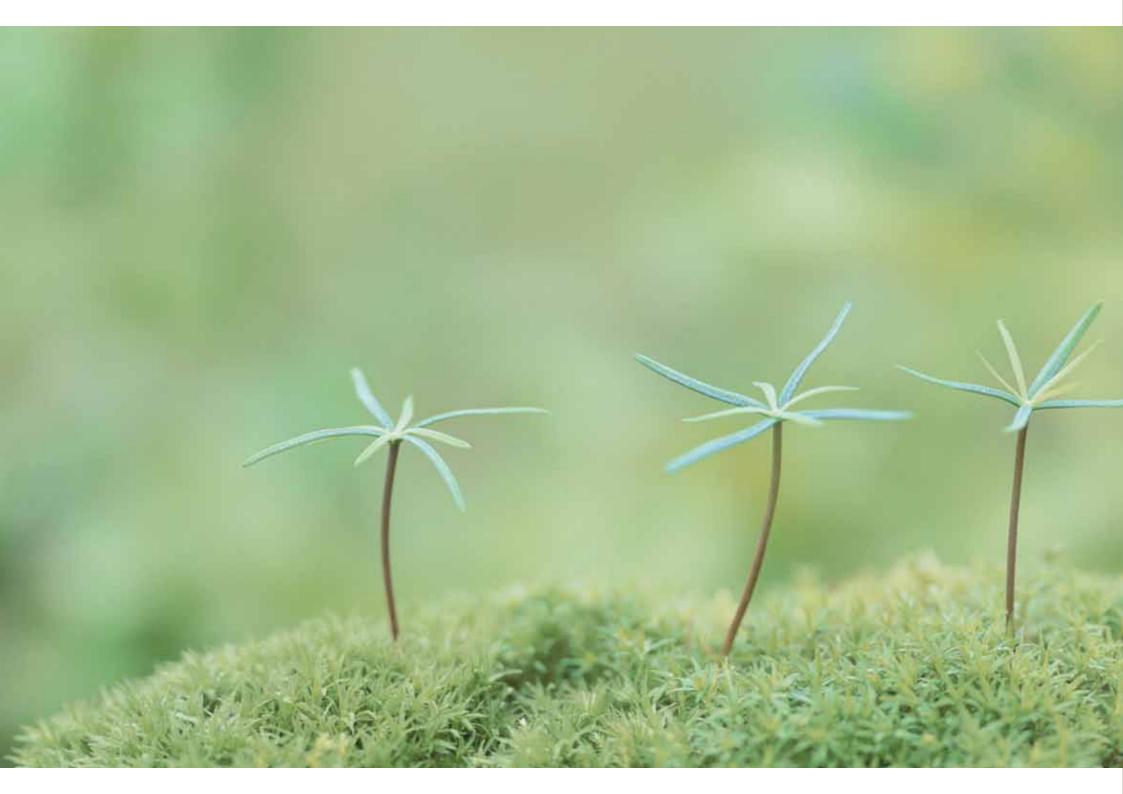
The Invention.

Our aim was to develop a weather and water resistant material with the noble look and feel of wood. A material obtained from a renewable resource, resistant to water, sun, wind and cold. A material which does not splinter over time, saves resources and is always of a consistent, high quality.

After 15 years of intensive research we succeeded – Resystawas born. Since then, the material has passed several international stress tests under extreme conditions. As a hybrid material mainly consisting of rice husks, Resystais not only extremely resistant; it also sets new standards of sustainability.

Furthermore, Resystacan be supplied in any shape and color. Thus, opening upcompletely newhorizons for architects and designers—they can now realise their dreams with the visual appearance and structure of wood without being stopped by the material's limits.

As proud inventors here we only wish for one thing: that you discover the miracle of Resysta for yourself.





The Miracle.

» Resysta is bipolar therefore it does not absorb any water, but can come into contact with it. «

Owing to this intriguing fact, Resysta colors are readily applied to the material and it can be bonded. When the surface becomes damp, Resysta engages with it, whereas humidity does not penetrate. This results in a velve ty feel of the material. To tally unique, to tally comfortable – to tally Resysta.





Characteristics which leave a lasting impression.

WATER RESISTANCE:

Since Resysta does not absorb any water, it can neither splinter, crack nor swell – it is exactly these properties that make it an extremely durable material.

WORKABLE LIKE WOOD:

Resysta can be glued, sanded, milled, drilled, sawed and colored.

UV RESISTANCE:

Resysta is extremely resistant against UV radiation.

SUSTAINABILITY:

Resysta mainly consists of rice husk-a by-product of rice production. Rice husk is a renewable resource that can be replaced in short cycles.

100% RECYCLABLE:

Resysta can be pulverised and new Resysta products continuously be processed out of it.

»Resysta ist extremely resistent and provides for an especially beneficial eco-balance«

Technical and ecological assessment of the new material Resysta. Resystalookslikewoodandoffershighmechanicalstrength,thermalstabilityaswell as chemical resistance. Unlikewood, Resysta is swell-, splinter- and crack-free, does not grey or fade and with standsfungal 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, Resystais especially suitable for outdoor use, e.g. it can be worked for garden furniture, outdoor flooring, as well as well ness and pool areas. Simply everywhere, high strain and aggressive weather and environmental influences become effective.

Furthermore, products made of Resysta provide for an especially beneficial ecobal ance. In terms of hygiene, Resysta also offer superior characteristics, as it is not harmful to health and does not emit noxious substances into its surroundings. Like most synthetic materials, the polymeric material part of Resysta is made of petroleum. Therefore, only a minute quantity of crude oil is necessary. Both components of Resysta, the polymeric material as well as the reinforcing fibre, are 100% recyclable, as the thermoplastic material can be transformed into other products as necessary. These results show that relatively, Resysta provides for an especially beneficial eco-balance, which is further enhanced by its durability, low maintenance and the absence of in sectic idal and fungicidal preservatives. In short: Resysta deserves the title » The better wood. «

Prof. Dr. Karl Stetter Chemist with diploma Specialistinvarnishes, 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 Bayaria

(Professor Dr. Statter

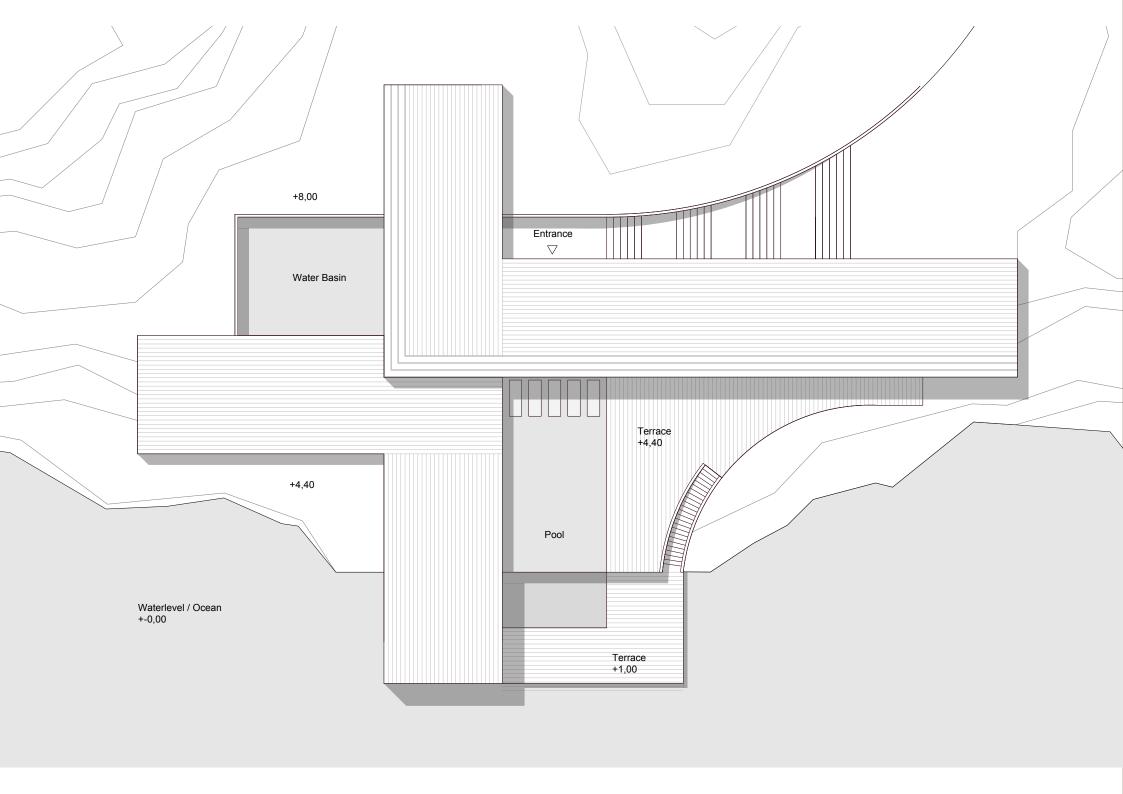
The Future Formula is called Resysta.

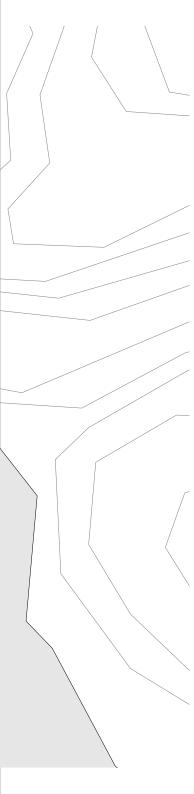
Alreadytoday, Resystameets to morrow's technical and ecological demands. Owing to its durability and sustainability, completely new designs are possible. The fibrere inforced hybrid material is produced of approx. 60% ricehusk, approx. 22% common saltand approx. 18% mineraloil, which makes it bothen viron mentally friendly as well as extremely weather resistant against sun, rain, snow or salt water. At the same time Resystar equires minimal care and offers the look and feel of wood. Water resistant surfaces with the look of wood are Resysta's future. Wait and see!

Raw materials used:



Approx.60% rice husk+approx.22% common salt+approx.18% mineraloil=Resysta





Unlimited creativity.

Wood is one of the most natural and oldest materials in the world. Its preads a feeling of warmth and protection and creates interesting contrasts. However, Mother Nature's master plandid not consider the production of outdoor furniture, wall claddings, terraces or ship decks out of wood. In steady contact with humidity, woods wells, splinters, weathers and provides limited flexibility. Unlike Resysta. It looks and feels like wood, but it is not. Owing to its extreme resistance to water and the elements, it can be used for maritime and we tare applications—where wood has little chance.

Extremebendingorpermanentimmersioninwater–withResysta,designlimitationsareathingofthepast.However,onedoesnothavetobe withoutthelookandfeelofwood.Resystacanbeprocessedinasimilarwaytowoodorappliedinlayerstoothermaterials.Theresultsarelight, dynamic shapes which open up new horizons for design.









The House of Resysta.

"Weplannedahouse, on the ocean's edge; ahouse that establishes a harmonious dialogue with nature and appears to be shaped out of one homogenous piece. Resysta made it possible."

Architects Maximilian Braun, Ulrich Schimtenings, Frederik Werner

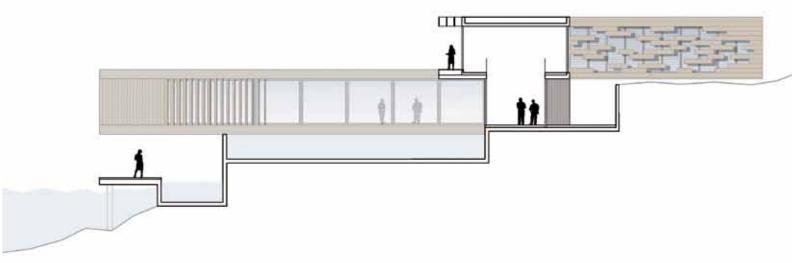
TheoverlapoftwoL-shapedblocksformsalandscapeofterraces which generates a variety of appealing exterior sitting areas. The house becomes a workable sculpture, blending into the landscape.

Inadditiontofourbedroomswithensuitebathrooms, SPA, library, studio, living area and the big open kitchen, the house offerstiered terraces and appoolse ting that merges with the ocean. The sculptural, clear and characteristic appearance of the building is underlined by the consistent application of Resysta for all claddings that includes roofs, facades and terraces. The different Resysta applications allows for a homogeneous image of this architecture. A Building, not only to be occupied, but also to be discovered.





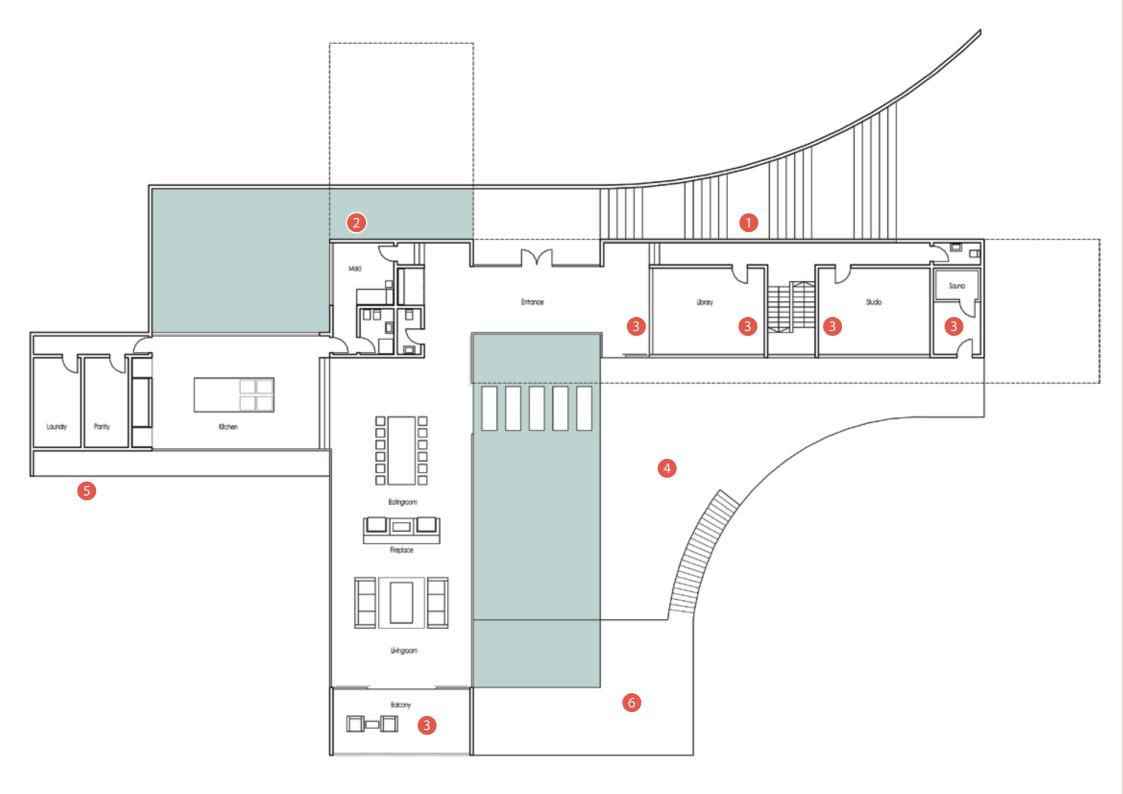
cross-section, EAST elevation



WhetheritbeawinterstorminNormandyorrainyseasoninBali–eventhemostextremeweatherconditionscannothaveanimpactonthe houseofResysta.Regardlessoftheenvironmentitisin,thehouseofResystaisaluxuriousrefugetoitsresidentswhichperfectlycombines aesthetics and functionality – for at least half an eternity!

"Resysta enables you to bring in new ideas during the planning phase of the house."

Architects Maximilian Braun, Ulrich Schimtenings, Frederik Werner



Resysta House – plan of ground floor

The following profiles have been used on the ground floor:

1 RESYSTA WC FP 300x



4 RESYSTA DKG 12522



2 RESYSTA FPH 7020 RESYSTA FPH 9015



5 RESYSTA CP 70 RESYSTA CP 95

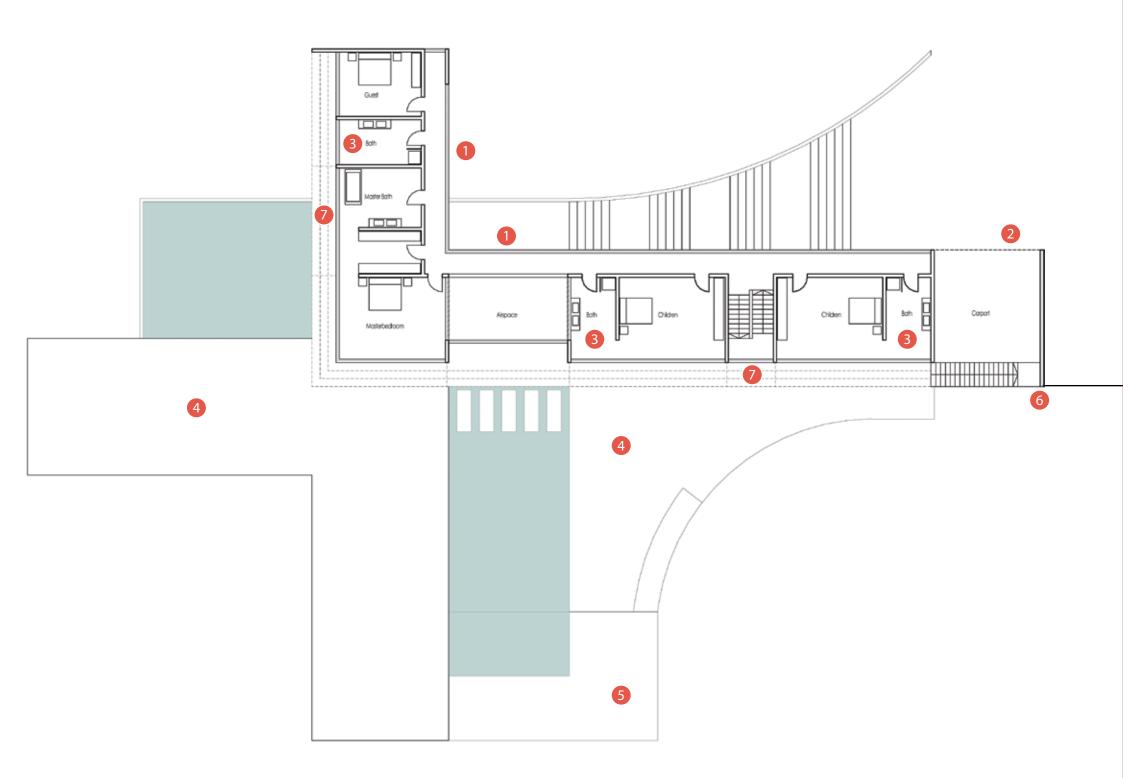


3 RESYSTA 200/7 RESYSTA 200/5 2P



6 RESYSTA DKG 14038





Resysta House – plan of upper floor

The following profiles have been used on the upper floor:

1 RESYSTA WC FP 300x



5 RESYSTA DKG 14038



2 RESYSTA FPH 7020 RESYSTA FPH 9015



6 RESYSTA FPH 7015



3 RESYSTA 200/7 RESYSTA 200/5 2P

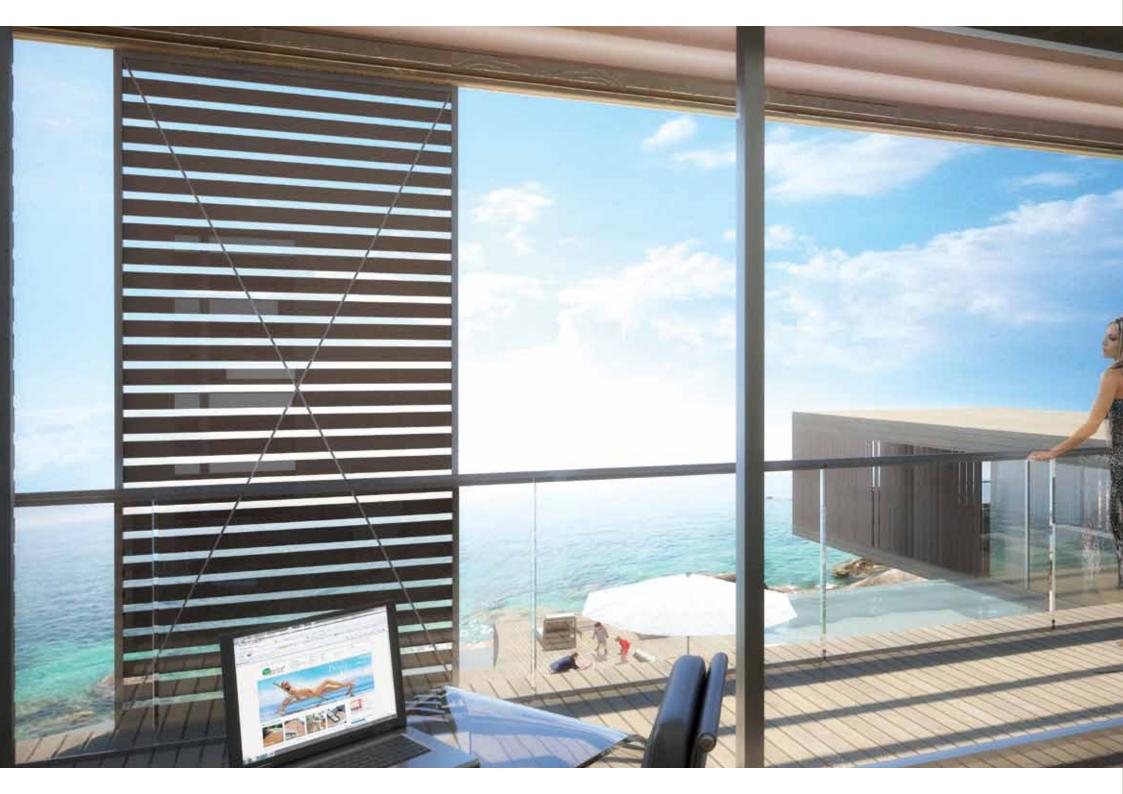


7 RESYSTA FPH 14038



4 RESYSTA DKG 12522







Resysta House – cross-section









RESYSTA ARO 45

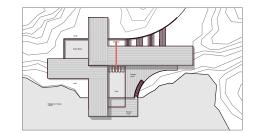


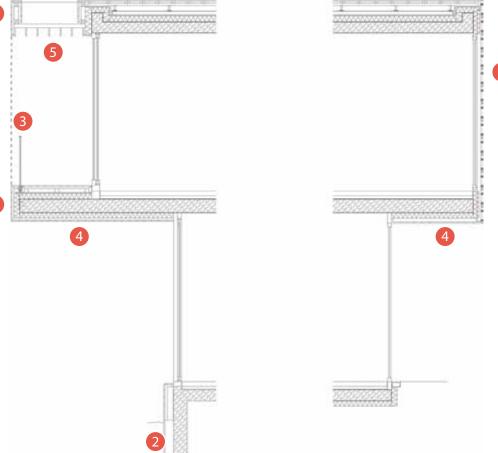
RESYSTA CP 95



RESYSTA FPH 14038



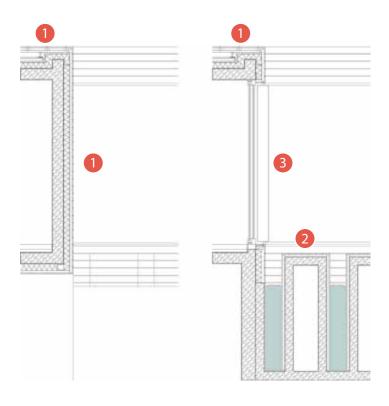








Resysta House – cross-section





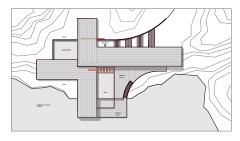


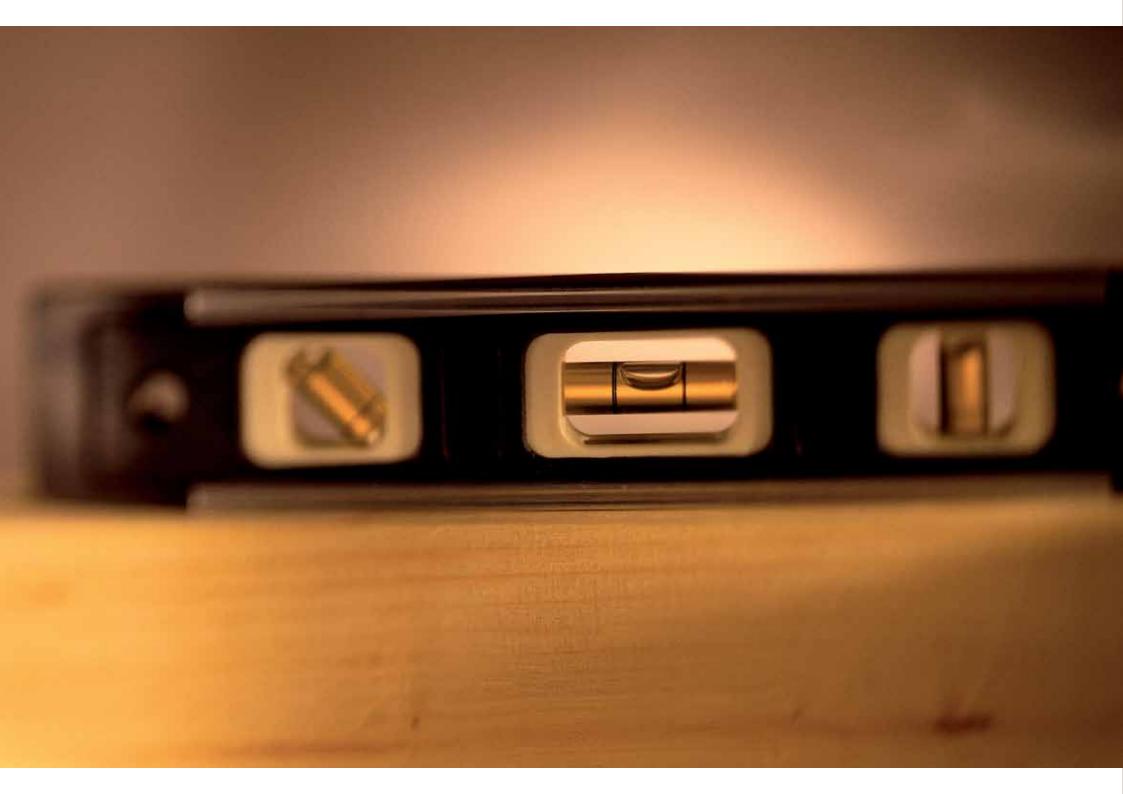
2 RESYSTA FPH 7020 RESYSTA FPH 9015



3 RESYSTA ARO 180









Building as Never Before – with Resysta.

What will sustainably change future architecture?

Ricehusk, commons altandmineraloil. These three basic rawmaterials combined with additives are the simple components used in Resysta, our innovative building material which offers a new, creative horizon to designers and architects and is compelling in its unique appearance. Resysta can be applied, where wood could not be used previously due to weather conditions or extremely high maintenance. It can be shaped, is antistatic and absolutely resistant towater, sun as well as fungal decay – evens altwater does not have an impact on Resysta. On the following pages let your self be inspired by the almost unlimited opportunities. Resysta offers for indoor and outdoor application.





We love to impress with appearance.

Whether it is façade solutions with bold curves or water immersed terrace elements—Resysta is the ideal material of all building elements exposed to extreme weathering and humidity. Resysta is resistant—neither wind, salt norwater harm the material. It neither splinters or cracks and remains color fast even under the strong UV effects of the sun. Almost unlimited designs are possible owing to the fact that Resysta can be shaped organically. The material swarm appearance makes you feel comfortable and is an interesting contrast with other materials. Even when processing is concerned, Resysta is easy to work with—it can be sawed, drilled, glazed, sanded and colored. Resysta can be processed in solid formor in layers on alternative materials and is extruded in a wide range of profiles, in order to create a smuch designs cope for you as possible. Let your self be inspired by our broad range.



Decking system

RESYSTA DKG 12522 (W x H) 125 x 21 mm



RESYSTA DK 5.5/1 (W x H) 140 x 25 mm



RESYSTA FPS 7020 (WxH) 70x20 mm



RESYSTA EC 1212 (WxH) 12 x 12 mm



RESYSTA EC 1515 (WxH) 15 x 15 mm



RESYSTA RR 12 Ø 12 mm



RESYSTA RUH 7038 (WxH) 70 x 38 mm



RESYSTA RUS 3825 (W x H) 38 x 25 mm



RESYSTA RUH 3825 (WxH) 38 x 25 mm



Examples of application

terrace



stairs



whirl pool



substructure on stratified or layered soil



substructure on solid or fortified soil



Resysta offers significant skid resistance on the smooth as well as corrugated side and is therefore perfectly suitable for wet areas.

Please see installation guide at www.resysta.de

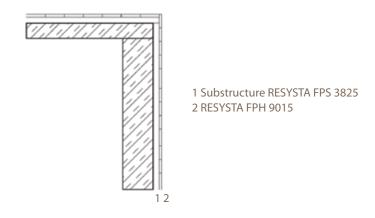
Resysta Decking is a simple to install system that in addition to decking can be used for wall cladding or privacy shields.



Wall cladding



Hollowprofiles may be universally used forwall claddings, privacy shields or fences. Unlike solid profiles, hollow one sare lighter in weight. In order to spanwide supports, it is possible to reinforce hollow profiles. All profiles can be combined.



Technical datasheets for all profiles can be downloaded at www.resysta.de.

Installation examples

layout example with offset



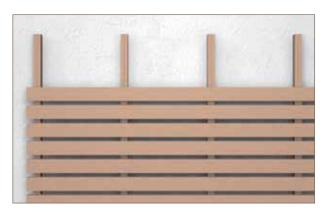
layout example without offset



ventilation of façade



front view of installation



installation of a pre-assembled wall



example of different expansion joints







Wall cladding system

RESYSTA WC FP 300/35 (W x H) 300 x 35 mm



RESYSTA WC LE 300 (W x H) 300 x 35 mm



RESYSTA WC FP 300/35 back view



RESYSTA WC CR 300 (WxH) 300 x 35 mm

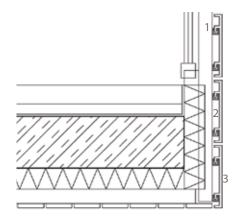


RESYSTA WC RE 300 (WxH) 300 x 35 mm



RESYSTA WC ALB (WxH)30x25 mm





1 substructure 2RESYSTAWCALBAluminiumU-Profile 3 RESYSTA WC FP 300/35

Installation

installing substructure



mounting of elements

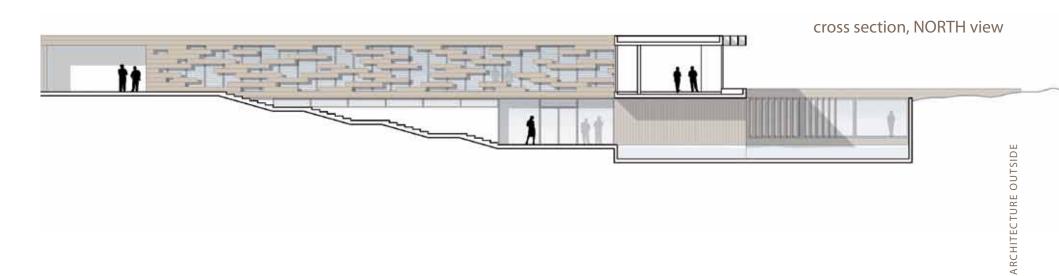


fully assembled wall



Resysta Wall Cladding has been especially developed for indoor and outdoor wall claddings.

Resysta standard profiles can be used as joists and end parts.





Cladding general

RESYSTA FP 200/2,5 (W x H) 200 x 2,5 mm



RESYSTA FP 200/4 (WxH) 200 x 4 mm



RESYSTA FP 200/5 (WxH) 200 x 5 mm



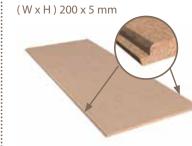
RESYSTA FP 200/7 (WxH) 200 x 7 mm

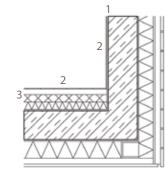


RESYSTA FP 200/12 (W x H) 200 x 12 mm



RESYSTA FP 200/5 2P





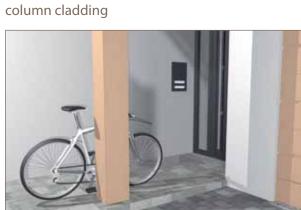
1 levelling course 2 RESYSTA FP 200/5 3 screeds

wall – glued with Resysta Turbo Tack decking – glued with Resysta Floor Bond

Examples of application

wall cladding

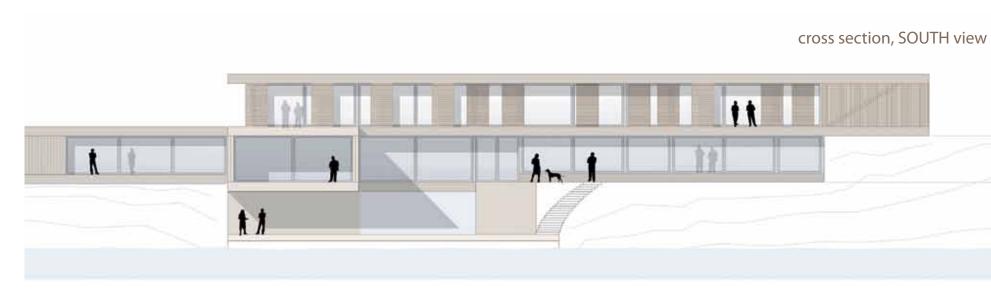




garage door



Larger surfaces can be cladded easily and quickly with our area profiles.



Cladding general

wall



ceiling



GENERAL INFORMATION ON THE APPLICATION OF AREA PROFILES:

- ensure sufficient strength and loading capacity of the subsurface
- we recommend using a bonding agent for both the Resysta profile and the subsurface for better adhesio
- for walls and ceilings we recommend additional mechanical fastening
- always consider thermal expansion of Resysta (higher in direct sun or dark surfaces)
- consider the high diffusion resistance of Resysta



For bonding we recommend using our special products, Resysta Turbo Tack and Resysta Floor Bond.

Special adhesive application of area profiles on panelling

wall cladding



wall cladding



balcony cladding



lift cladding



Resysta cladding can be bonded to panelling and subsequently attached to the façade.

Quick and simple cladding of larger areas is thus possible.

GENERAL INFORMATION:

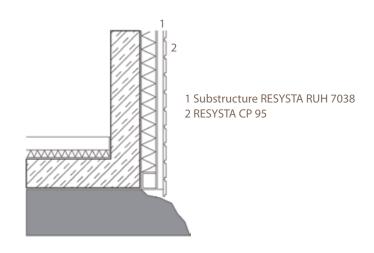
- ensure sufficient ventilation
- ensure sufficient traction



Wall and ceiling



Wallandceilingprofiles are especially suitable for the quick and simple installation of a full area cover.



Application of wall and ceiling profiles

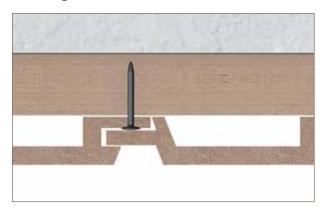
wall cladding



ceiling cladding



fastening



Information on the application of wall and ceiling profiles:

- thermal expansion of Resysta must always be considered
- ensure safe and sufficient fastening
- consider the high diffusion resistance of Resysta
- if necessary, ensure sufficient ventilation
- for substructures, we recommend Resysta Joists

Of course, the wall and ceiling profiles are also perfectly suitable for interior installations.



Sun and Privacy Shields

RESYSTA ARO 180 (WxH) 180 x 44 mm



RESYSTA ARO 180 END PART



RESYSTA ARO 45 (WxH) 45 x 20 mm



RESYSTA FPS 3825 (WxH)38x25 mm

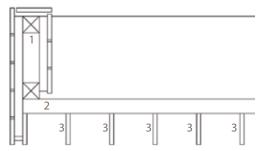


RESYSTA FPH 14038 (W x H) 140 x 38 mm



RESYSTA FPH 7038 (W x H) 70 x 38mm





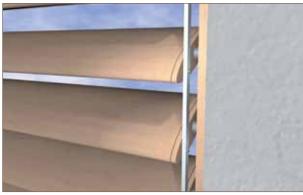
- 1 supporting substructure
- 2 mounting structure
- 3 Resysta FPH 14038

Examples of application

sun shield with ARO 180



flexible sun/privacy shield with ARO 180



sun shield slats



privacy shield



sun shield



sun shield



Basically, it is possible to design sun and privacy shields from every Resysta profile. The profiles shown can, of course, also be used for other applications.



Footbridges, harbours and bridges

RESYSTA DKG 14038 (W x H) 140 x 38 mm



Resysta Decking Profiles can be individually installed in the maritime field. Wherever extreme mechanical strain requires increased stability, the profiles can be reinforced with hollow aluminium inserts or tubing.

Examples of application

footbridge



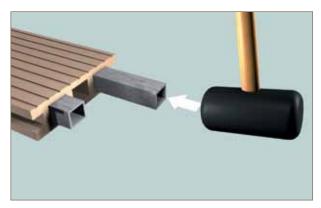
footbridge



footbridge



reinforcement – increases stability





Fences, balconies and cladding



Resystaoffers a wide variety of profiles suitable for the construction of fences, balcony or other claddings on the exterior.

Examples of application

fence



balcony



cladding



cladding





Handrail



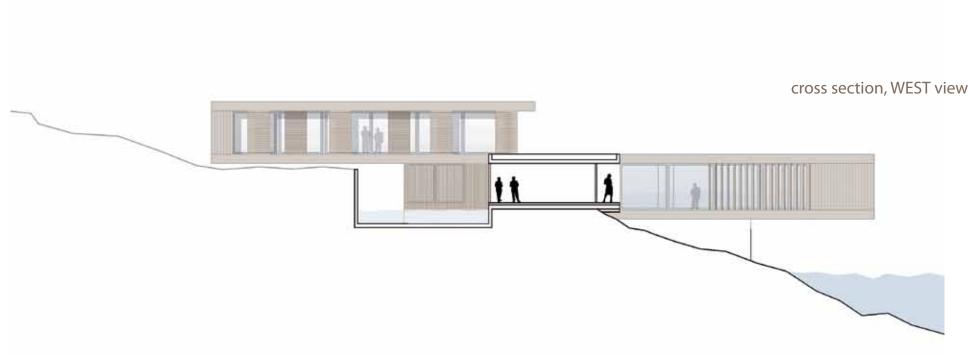
Resystaalsooffersavarietyofprofilesforthedesignofhandrails. Moreover, customised profiles can be commissioned with Resysta.

Examples of application

handrail handrail

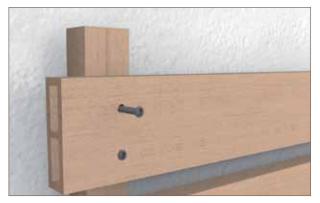






Installation

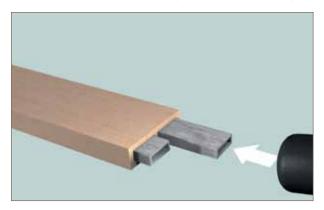
screws, visible from front



hidden screws (if cladding is pre-assembled)



reinforcement – if necessary (increases stability)



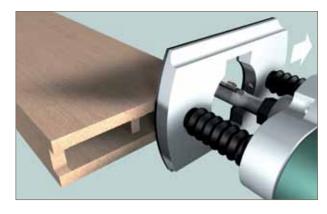
GENERAL INFORMATION:

- thermal expansion of Resysta (expansion joint necessary) must be considered during installation
- always ensure sufficient ventilation
- consider maximum installation distances (depending on profile)
- if necessary, hollow profiles can be reinforced
- general building codes must always be observed

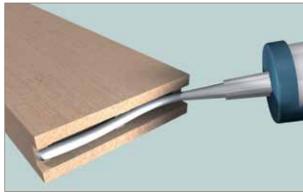
All profiles can be combined with each other. For substructures we recommend RESYSTA FPS 3825.

Closing end parts

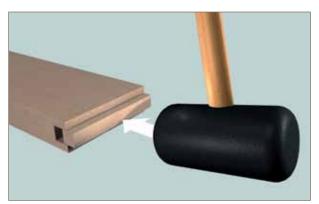
milling



bonding



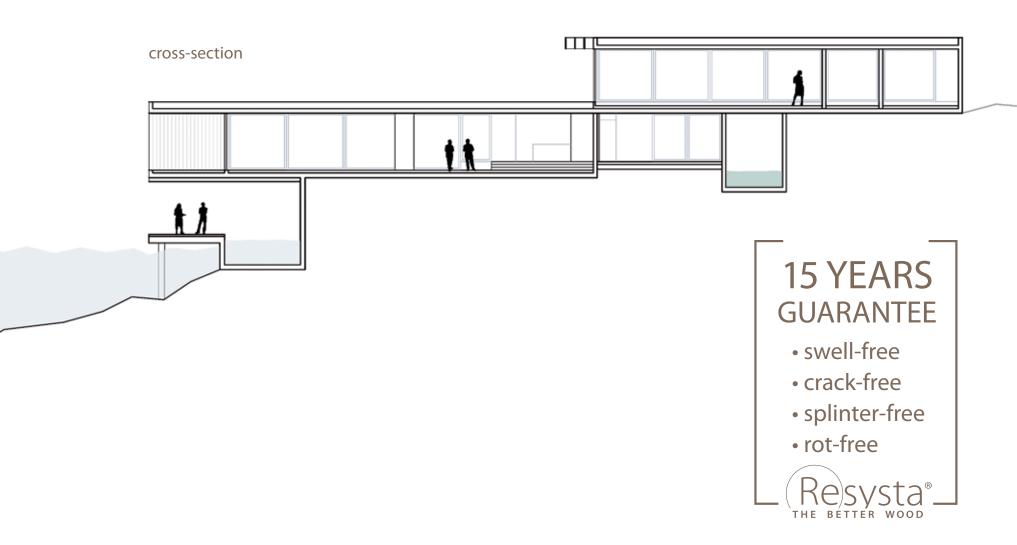
fixing end plate



Unlike solid profiles, hollow ones are lighter in weight.

With the fixed end plate, Resysta offers an ideal solution.

It is firmly integrated, giving the profile a solid appearance.



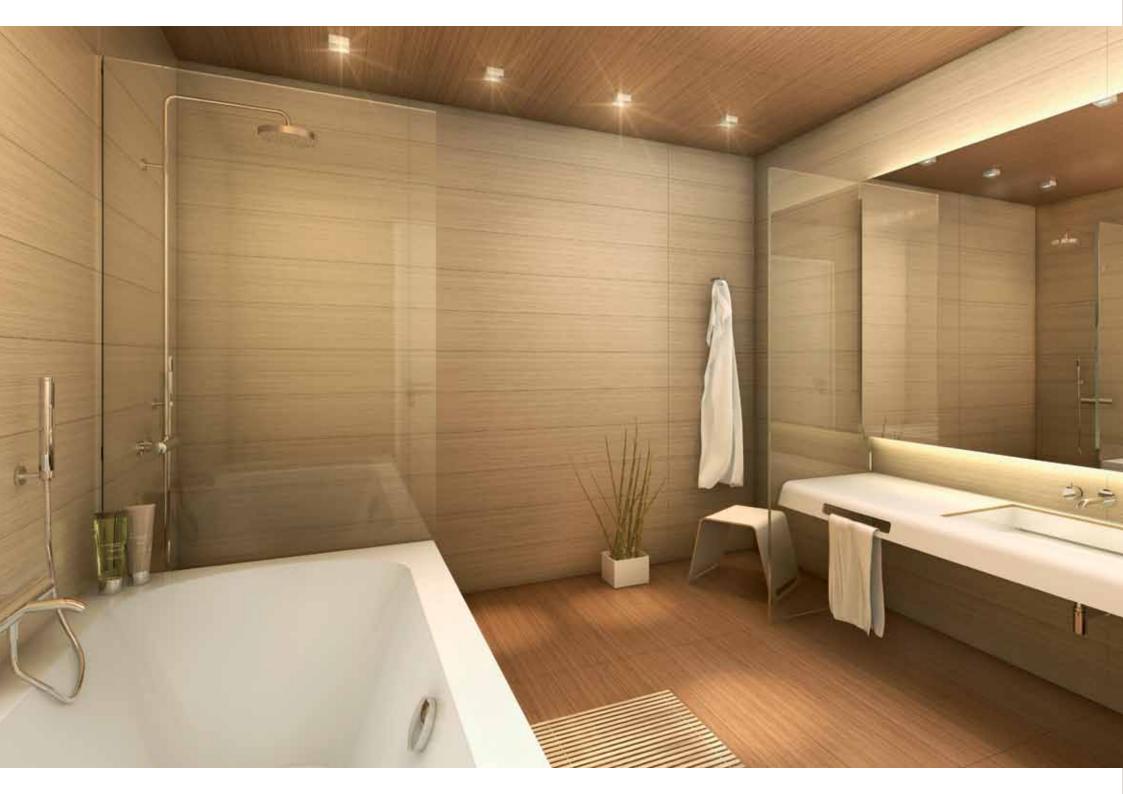
General information on the outdoor installation of Resysta.

- A Consider the linear thermal expansion of Resysta. Depending on temperature, Resysta can expand several mmper linear meter; this needs to be considered particularly for joints or connections to other buildings. Expansion is mainly influenced by sun and the resultant heating of the material. Darker colors lead to stronger heating than lighter ones.
- B Owing to the thermal expansion, Resysta should be installed at constant material temperatures as far as possible.
- ${\sf C}\ \ Resystahas a high steam-diffusion-resistance; therefore sufficient ventilation needs to be ensured, depending on installation conditions.$
- D Choose suitable fastening materials for outdoor use.
- E Avoid water logging. When using hollow profiles, it is recommended to close ends.
- F During installation, ensure sufficient traction or fastening.

For bonding we recommend the use of our special products, Resysta Turbo Tack and Resysta Floor Bond.

Resysta is not suitable for structural support. The material has no general technical building approval.

Basically, the installation of Resysta should only be performed by trained staff.





Change wet areas into a wellness oasis.

Regardless of cladding around a pool or decking in a bathroom—Resysta is in different to we tand humid conditions. Resysta is the right choice for everyone looking for a material for interior application which spreads warmth, without foregoing the highly desirable tropical wood look. The possibilities of application are almost unlimited, owing to its 100% water resistance. Gracious wall claddings and decking change we tare as into luxurious oases. In terms of safety, Resystadecking offers the best skid resistance. The material requires minimum maintenance even heavily used surfaces like wash basins or bath coverings do not swell in contact with humidity.



Decking



Indoors, our decking profiles can be easily bonded, even for larger areas, on existing subfloors.

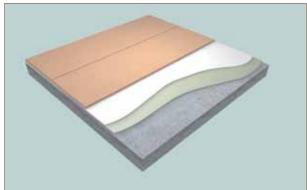
The pre-assembled plug connection allows for a quick and simple installation.

Processing

Bathroom floor



structure of adhesion



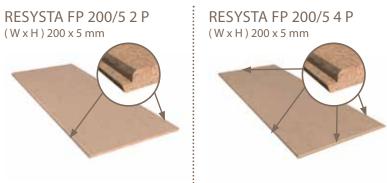
General information on using the decking profile:

- \bullet for decking profiles we recommend the one with the T and C connector
- always consider thermal expansion
- ensure safe and sufficient application of glue
- for both surfaces, we recommend the use of a primer on both surfaces in order to increase adhesion
- in case of uneven subsurface a levelling layer should be applied

For bonding the material we recommend using our special product Resysta Floor Bond.



Wall and ceiling



Resysta profiles can also be installed without any problems in wall and ceiling areas.

Processing

bathroom wall



bathroom ceiling



bathroom ceiling



General information for use as wall and ceiling profile:

- for walls, we recommend the 2-sided profiled version; for ceilings the 4-sided one
- always consider thermal expansion for both types of profile
- ensure safe and sufficient application of glue
- for both surfaces, we recommend using a primer in order to increase adhesion
- consider the high diffusion resistance of Resysta
- if necessary, also fasten profiles mechanically (especially recommended for ceilings)



For bonding the material we recommend using our special product Resysta Turbo Tack.



Cladding General



Resystaarea profiles are perfectly suitable for the veneering of furniture and we tareas urfaces with the luxurious look of tropical wood, combined with 100% water resistance.

Areas of application

wash basin



bath surround



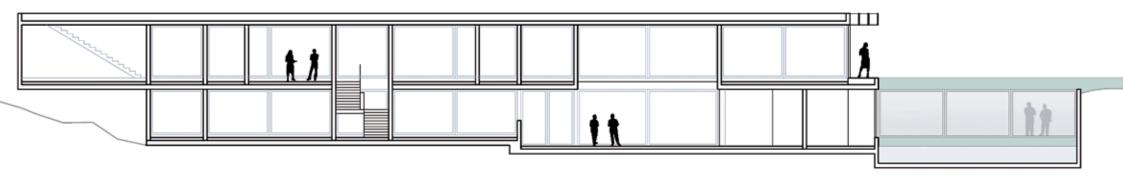
General information for the use of area profiles:

- always consider thermal expansion
- ensure sufficient traction
- ensure safe and sufficient application of glue
- $\bullet for both \, surfaces, we \, recommend \, using \, a \, primer \, in \, order \, to \, increase \, adhesion \,$
- $\bullet for ceilings \, or \, other \, risk \, areas, \, additional \, mechanical \, fastenings \, are \, necessary \,$
- consider the high diffusion resistance of Resysta



For bonding the material we recommend using our special product Resysta Turbo Tack.

longitudinal section



15 YEARS GUARANTEE

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



General information on using Resysta for interiors.

- A Consider the linear thermal expansion of Resysta which depends, unlike wood, not on the relative air humidity but on the temperature. Especially in the case of joints or connections to other structures, this is very important. It is recommended to install Resysta under consistent conditions and at the normal temperature found in the applicable area, in order to keep expansion to a minimum.
- $B \ \ Resystahas a high steam-diffusion-resistance; therefore sufficient ventilation needs to be ensured, depending on the installation conditions.$
- C Choose suitable fastening materials and glues recommended for Resysta.

For bonding the material we recommend using our special products, Resysta Turbo Tack and Resysta Floor Bond.

For interiors, Resysta is particularly suitable for wet areas and offers a wide variety of design options.

Basically, the installation of Resysta should only be performed by trained staff.







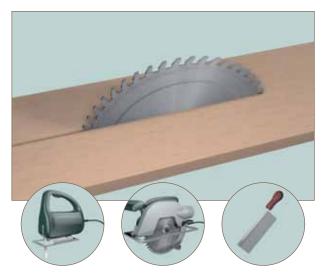


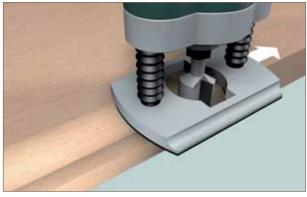
If you like wood, you will like Resysta.

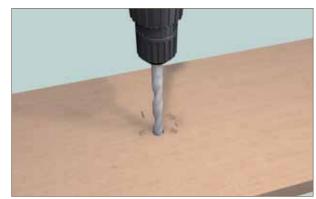
Our passion for wood drove us to develop not just any substitute, but a material that even convinces experts in terms of look, feel and weight. The amazement were gularly experience from carpenters shows us that we did everything right. We consider Resysta, our successful innovation, to be the evolution of wood. Carpenters can process the material like its natural model: sawing, drilling, glazing, sanding or oiling etc. However, there is one crucial advantage: Resystane ither cracks nor splinters. Our future challenge is to realise exciting ideas with Resysta.



Sawing Milling Drilling







Resystacan becutinlong itudinal as well as a transversal direction with all standard saws.

Withstandardwoodworkingmachines,anyprofilecan be milled.

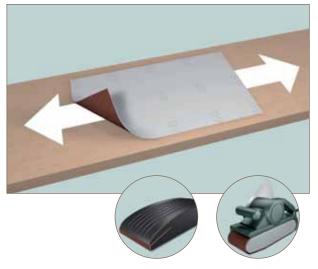
Resystacanalsobeprocessed with standard wood drilling machines.

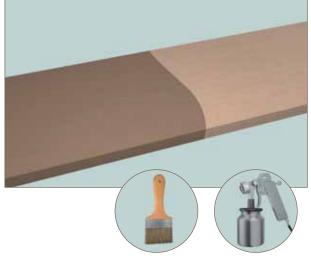
»The better wood « can be processed better than wood.

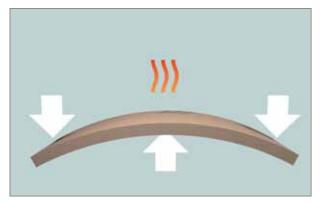
Sanding

Varnishing

Bending







Likewood, Resystashallonly be sanded in longitudinal direction. Depending on the surface structure desired, we recommends and paper with a grain between 24 to 60. Finers and paper shall only be used to remove dirt.

Resystacan bepainted with Resystacolors. With the ResystaColor Concept, carefully refined for the material, everyone can find their favourite shade.

Owing to Resysta's thermoplastic properties, the material can be heated and formed into organic shapes. This offers completely new design options without affecting the highly-desirable tropical wood look.

Cutting wastes can be returned any time.



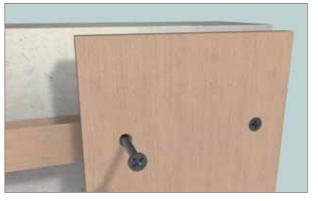


An eternal connection.

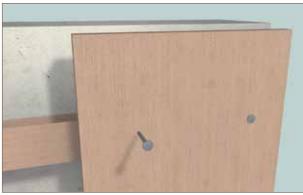
Screws, nails or glue—Resystacan simply be fastened and connected to other materials without any problem. Resystacan be processed and fastened as manhas done for generations. However, when choosing the nails and screws, the material's higher density needs to be considered. In order to ensure an optimal result when gluing the material, we recommend glues especially developed for Resysta.

Mechanical connections

screwing together



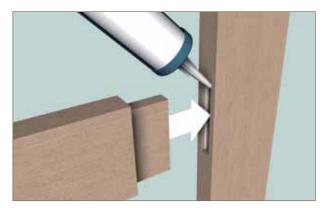
using nails



connection with a hinge



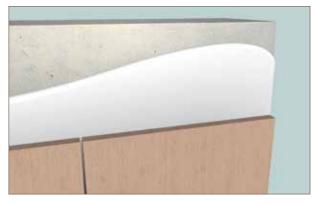
tongue and groove



When installing Resysta, standards crews can be used as with wood. Owing to the material's high density, we recommend pre-drilling, before turning in the screws. In almost the same manner, standard nails can be used. Owing to the material's high density, only nails with a certain minimum thickness should be used. Single Resysta profiles can also be connected using hinges or like with wood, to ngue and groove (additional bonding recommended).

Adhesive joints

bonding on wall/plaster



bonding on concrete/cement



bonding on prefabricated aluminium profile



bonding on panel material



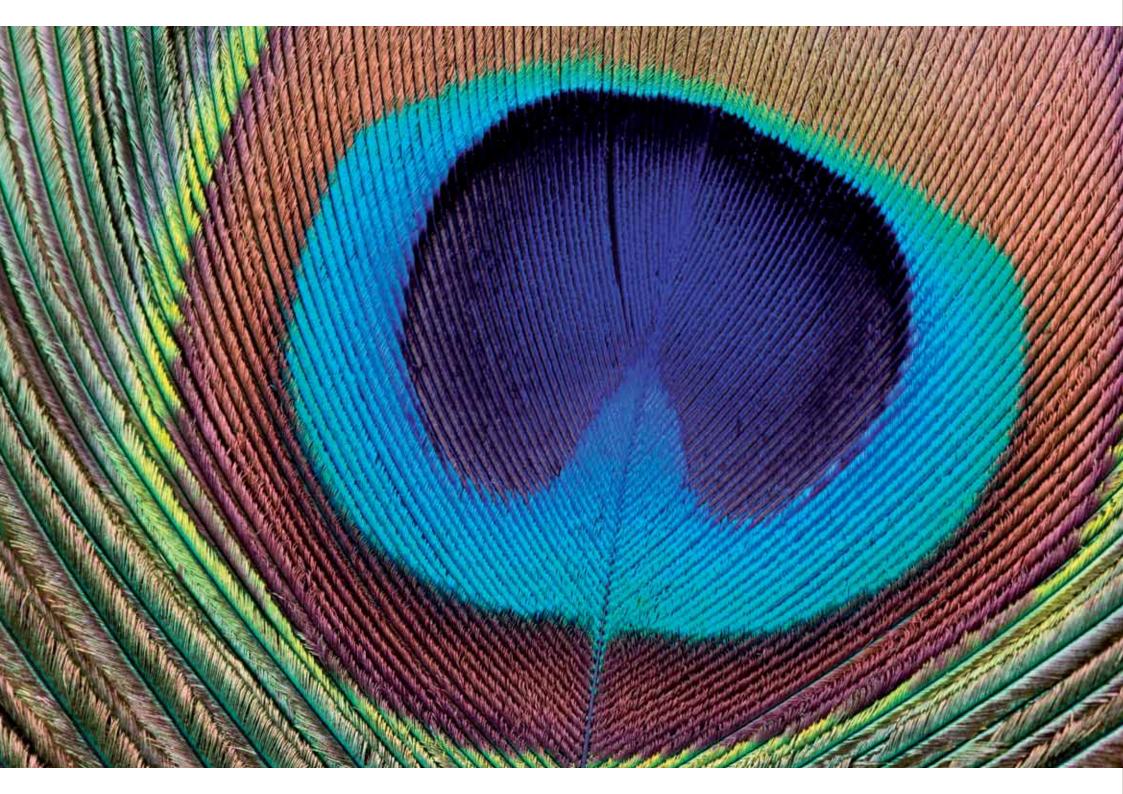
bonding on panel material



Resystacan be bonded on to almost all surfaces. However, the thermal expansion of the Resysta and the respective subsurface needs to be considered. Furthermore, when bonding larger surfaces, sufficient traction needs to be ensured. Before bonding, it is recommended that Resysta be cleaned and treated with a primer to obtain optimal results.

For bonding the material we recommend using our special products, Resysta Turbo Tack and Resysta Floor Bond.

Technical datasheets can be downloaded under www.resysta.de





Naturally beautiful or better with color?

HoweveryoupreferResysta, it's uptoyou. Upon the beautiful natural shade, each color can be applied – either opaque or as glaze. Also here, Resysta is unique. Since the material does not absorb anywater, glazes do not chip off. Even extremes un has minimal effect on the original shade. If you want to provide added protection to the low-maintenance surface, we recommend using our specially developed 2 Component Glaze. Our color chart contains carefully chosen shades. Do you have special wishes? We make it possible.



Resysta Color Concept





A RAINBOW OF COLORS

Whetheritbe classic or modern - with the protection glazeespeciallyadaptedtotheResystasurface,youcan protect Resysta and keep it clean from wear, tear andsafeguard it against environmental influences. Withselected colors had esyou can easily and quickly create the surface finish of your desire and re-treat itwheneveryouwant. The water based formulation is completelyodourlessandhasanultra-quickdryingproperty. Owing to the simple and smooth application, your surfaces can easily be given a new lease of life.



Ourcolourshadesarereadymixedand availableinunits of 1,3 and 5 litres. For further tips and information on Resystasurfacetreatment with protective glazesordual component sealer, please go to www.resysta.de.

The House of Resysta – individually colored.













Resysta furniture knows the secret of eternal youth!

Beautifuland demanding in look and feel, but less demanding in maintenance—out door furniture made of Resystasur pass those made of tropical wood in many ways. Whether it's a wintery mountain terrace or rainy season in the tropics—the fibre-reinforced hybrid material is absolutely water resistant. If no water can penetrate, the material will not splinter, swell, crack or rot. Regular care withouts, as needed with wooden furniture, is at hing of the past. Even extremes undoes not let Resysta fade or grey. Furthermore, pests and fungicannot harm Resysta. And the best thing is: Resystaises pecially sustainable, since it mainly consists of a renewable resource: rice husk—a by-product of each rice grain. We are sure, the future is made of Resysta—and not a single tree has to fall for this promising material.



Armchairs and Loungers

ARMCHAIRMANATIBURMA



LOUNGERMANATIBURMA



LOUNGER BOW BURMA



ARMCHAIR MANATI SIAM



LOUNGER MANATI SIAM



LOUNGER BOW SIAM



ARMCHAIR TORTUGA TOBACCO



ARMCHAIR TORTUGA AMAZON



ARMCHAIR MADEIRA WEISS



Tables

TABLE RESYSTA BURMA



TABLE RESYSTA SIAM



ENDTABLERESYSTABURMA



END TABLE RESYSTA SIAM



Outdoor furniture made of Resysta en riches any outdoor

are a with stylish under statement-and for many years.

Minimum care and a maximum of comfort. And the best

thing: not a single tree needs to fall for Resysta.

TABLE MAMMUT BURMA



TABLEMAMMUTSIAM







Awash in all waters – Resysta Marine.

Resysta Marine is a modification of the source material Resysta. It has been developed in order to optimise the material 's excellent basic characteristics and make it especially suitable for the demanding requirements of yacht building. Aggressive influences of weather and temperature as well as materials trengthowing to excessive stress, e.g. passenger decks of cruise liners, require maximum material to lerances. When looking for a modern material which meets the highest demands, Resysta Marine is the ultimate answer. This innovative material meets the highest standards. Not only does it with stand UV radiation and saltwater, but a decisive advantage over wood is the 100% water resistance compared to wood. Resysta Marine does neither swell, rot, splinter nor crack and is resistant to fungal decay. Furthermore, material contractions are at hing of the past. Another major point is the low maintenance required; Resysta Marine products of ferlong durability and reliable quality, so mething of particular importance in the yachting area.

Resystaisbipolar, i.e. waterengages with the surface without being absorbed. This guarantees skid resistance and thus maximum safety. However, nowadays are alinnovation is the sustainability of a product. Resysta also scores in this field, owing to its 100% recyclability. It consists of more than 60% of renewable resources – rice husks.

Whetheritbedecks, flooring, gangways, footbridges, platforms or interiors—wherever, the noble look and feel of tropical wood is preferred, Resysta Marine is the future. Experience the high seas with maximum security and complete aesthetics—with Resysta Marine.



Yacht - outdoor application





RESYSTA MARFP 200/5 (WxH) 200 x 5 mm



RESYSTA MARFP 200/7 (WxH) 200 x 7 mm



RESYSTA MARFP 200/10 (WxH) 200 x 10 mm



(WxH) 200 x 12 mm



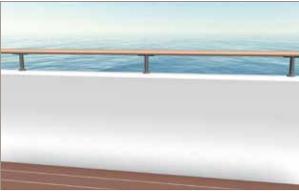
RESYSTA MARFP 200/12

Examples of outdoor application

ship deck



reiling



ship deck - installed 2011





Special characteristics of Resysta Marine

- increased skid resistance
- $\bullet\, very\, easy\, processing\, with\, yacht\, building\, glues\, and\, varnishes$
- special gross density
- Fire Rating B1
- high resistance to salt water
- extreme UV resistance



Yacht – indoor application



ResystaMarineismorethanjustdecking.Whetheritbegangways,platforms,walkways,decksor handrails—theapplicationsforResystaarealmostunlimited.Fortheinterior,ResystaMarinemeets thehigheststandardsandofferssolutionsfromwalltoceilingcladdingandfurniturewiththenoble lookandfeeloftropicalwood.Asyouwouldexpectfromhighqualityyachtinteriors,ResystaMarine can also be painted – either in matt or high gloss.

Examples of Indoor Application

decking



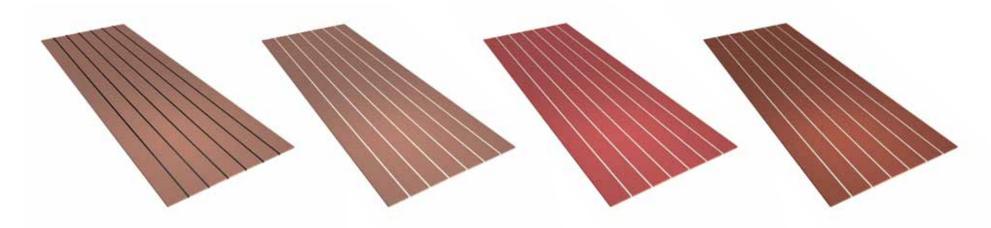
ceiling cladding



furniture construction



Resysta Marine can be colored as desired and is available as panel material.







Resysta – clearly distinguishable from wood.

Evenifthelookandfeelneedstobecomprehensivelyexperiencedbyexperts-Resystaisdifferentinmanyways.Pleaseconsiderthetypical pointsandadvicedescribedinthefollowing,whenchoiceandprocessesareconcerned.Youwillsee!Resystamakeseverythingpossiblethatyou can do with wood – and a lot more. The material's own properties will convince you.



Resysta passed the test.

15 YEARS GUARANTEE

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



high UV resistance	low maintenance
color does not chip off	weather resistant
no pest and fungal decay	frost-proof
high skid resistance	long lifetime
high fire rating	recyclable



Material properties

MATERIAL:

Resysta, Homogenous extruded

RAW MATERIALS USED – VINYL POLYMER AND NATURAL FIBRE:

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

PROCESSING:

Processing like wood with standard woodworking machines

cutting, milling, drilling, sanding, bonding, fastening with screws

Surface Treatment Applying Resysta colors with brush, paint roller or spraying

Technical data

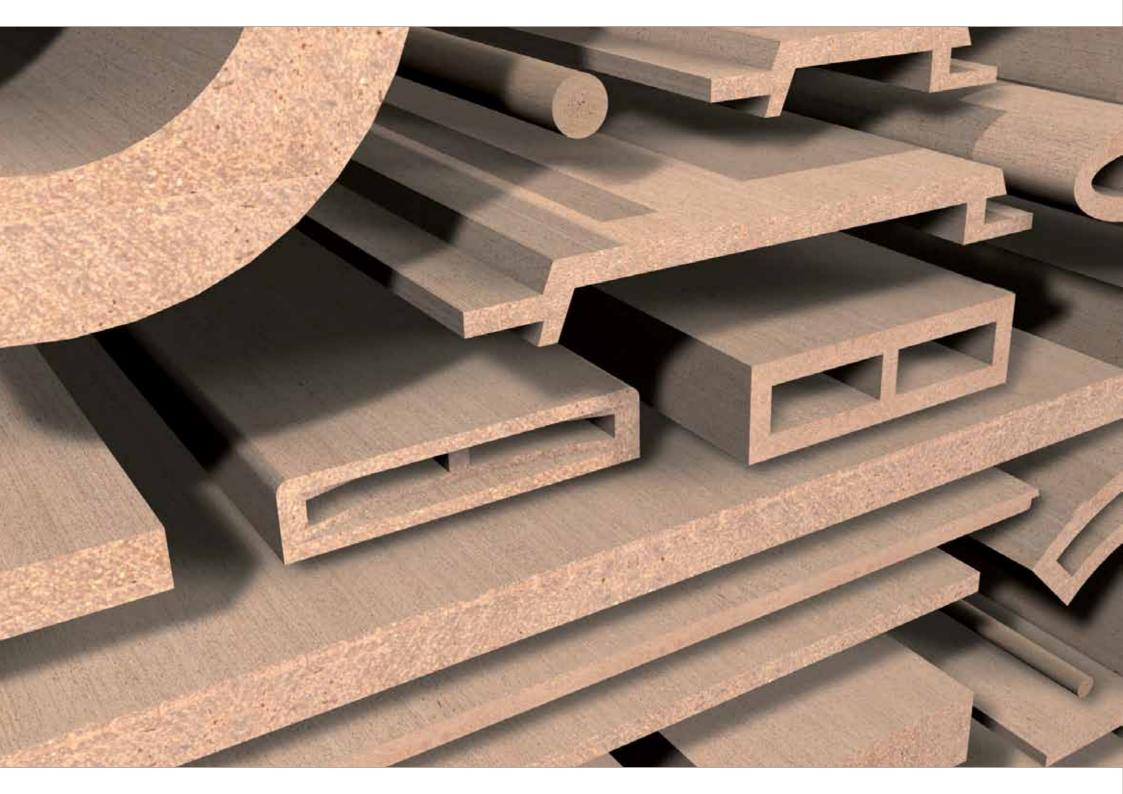
Density	ASTM D2395:2002	approx.1.46 kg/m³
Country Thermal Coefficient of Expansion	ASTM D696	3.6x10(-5)mC
WaterAbsorptionandAirHumidityBehaviour	ASTM D1037:2006a	none or very low water absorption (only surface wetting)
Weathering and UV Resistance	QUV Test	Resysta surfaces treated with glaze show extremely 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(ResistancetoWood-DestructiveFungi)	DINV ENV 12038:2002	the material has not been affected, highest durability – Class 1
Emission	DINEBISO9001/14001	passed

Worldwide, we conduct tests in accordance with German, British and European Standards with renowned institutes.





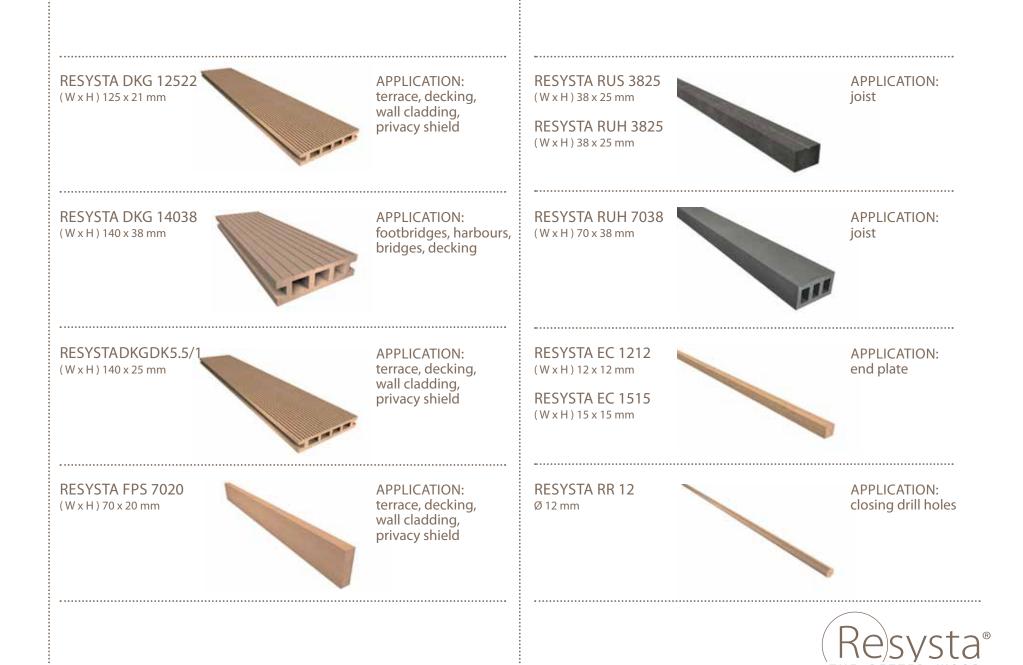


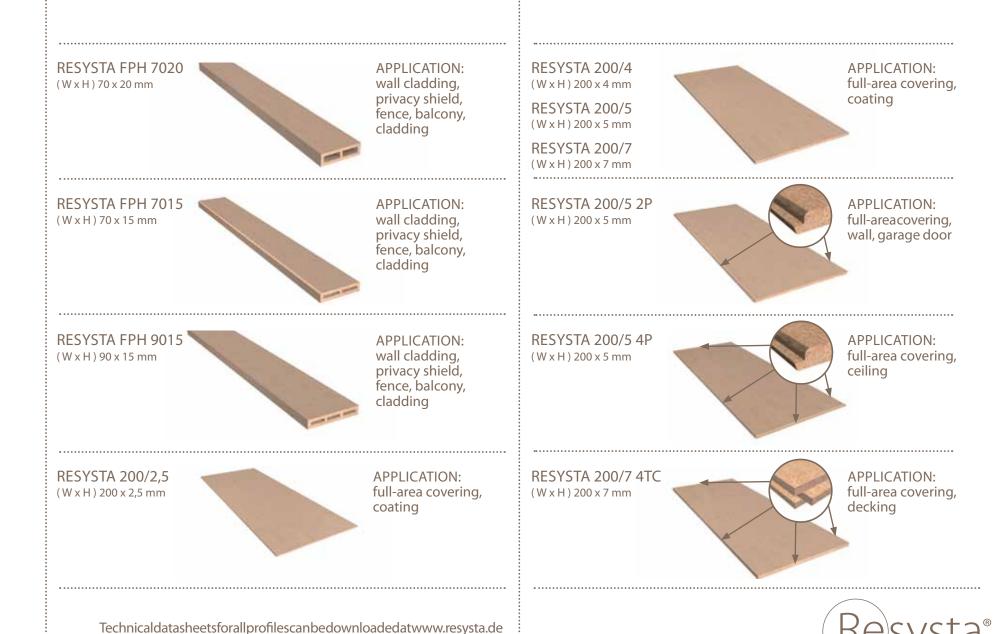


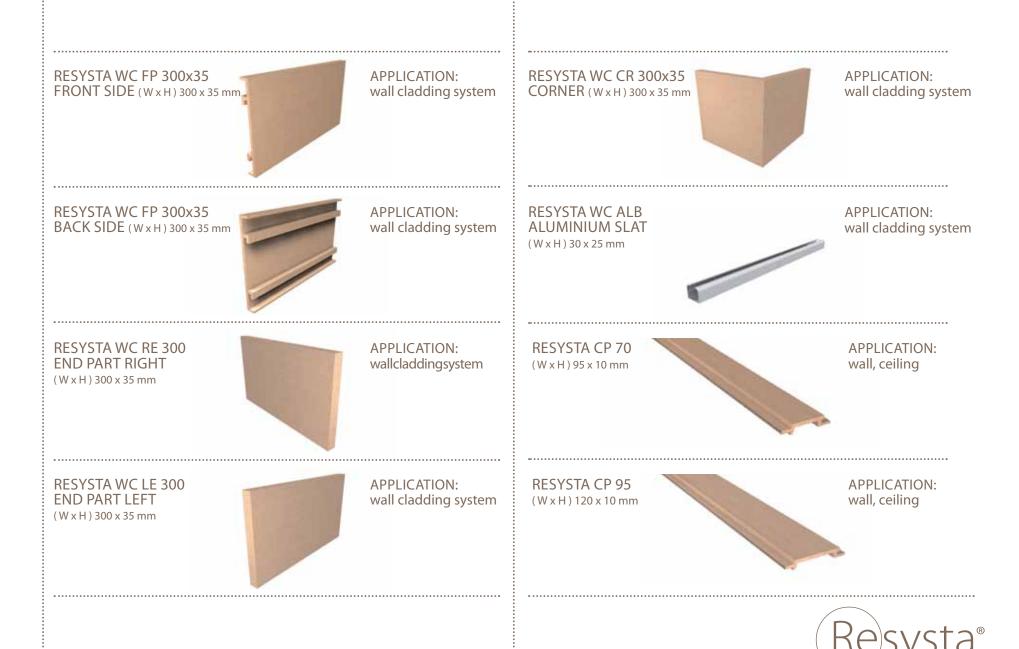


Resysta displays a distinct image.

Wallcladding, footbridges, privacyshields or decking—these are just a few of the countless possibilities of how to use pre-assembled Resysta profiles. Easy to install and similar towood; thanks to the extrusion process there are no limitations in design. You need a customised profile in order to realise your ideas? Simply let us know and we will all try to shape your ideas.

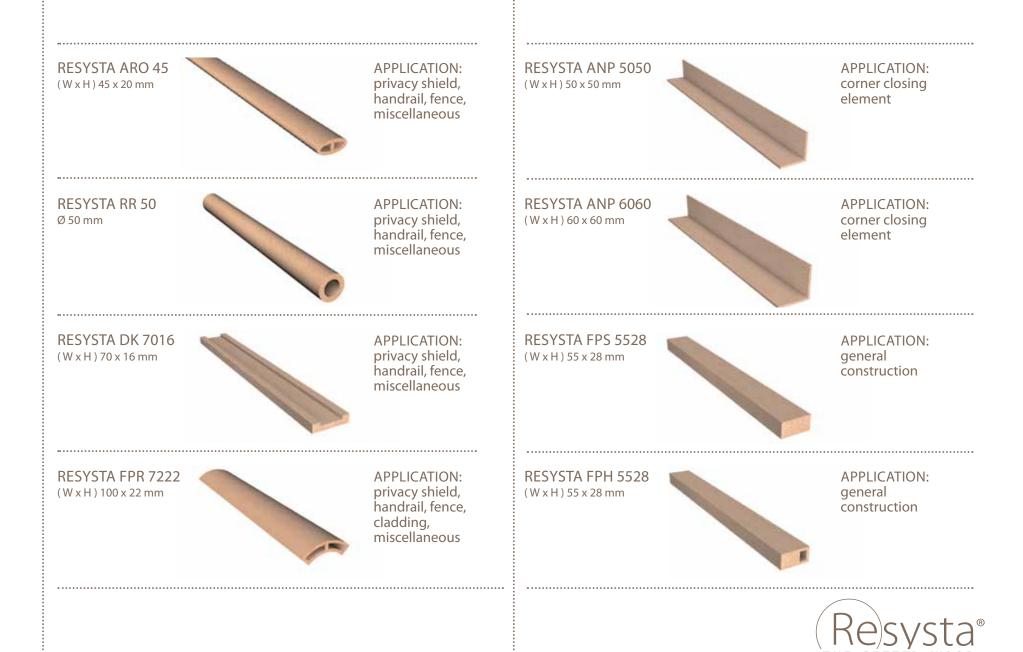


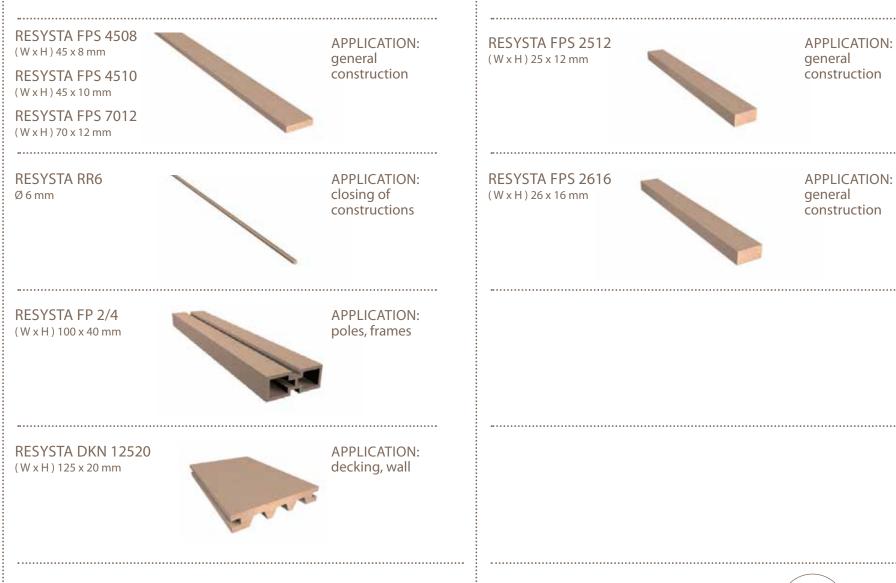






Technical datas he ets for all profiles can be downloaded a twww.resysta.de





Technical datas he ets for all profiles can be downloaded a twww.resysta.de



Resysta Protective Glazes

1 litre3 litre5 litre

FVG C02, FVG C08, FVG C09, FVG C14, FVG C15, FVG C23

FVG C24, FVG C26, FVG C28, FVG C29, FVG C42, FVG C45

FVG C46, FVG C47, FVG C49, FVG C51, FVG C52, FVG C53

FVG C3001, FVG C3011, FVG C5010, FVG C6002, FVG C9005,

FVG C9010

Resysta 2K Sealer

0,75 litre 2 litre RFS 10



Resysta Glues

Resysta Turbo Tack

HighstrengthelasticadhesiveforbondingResystaonwallandceiling.

Resysta Floor Bond

High strength elastic adhesive for bonding Resysta Decking.

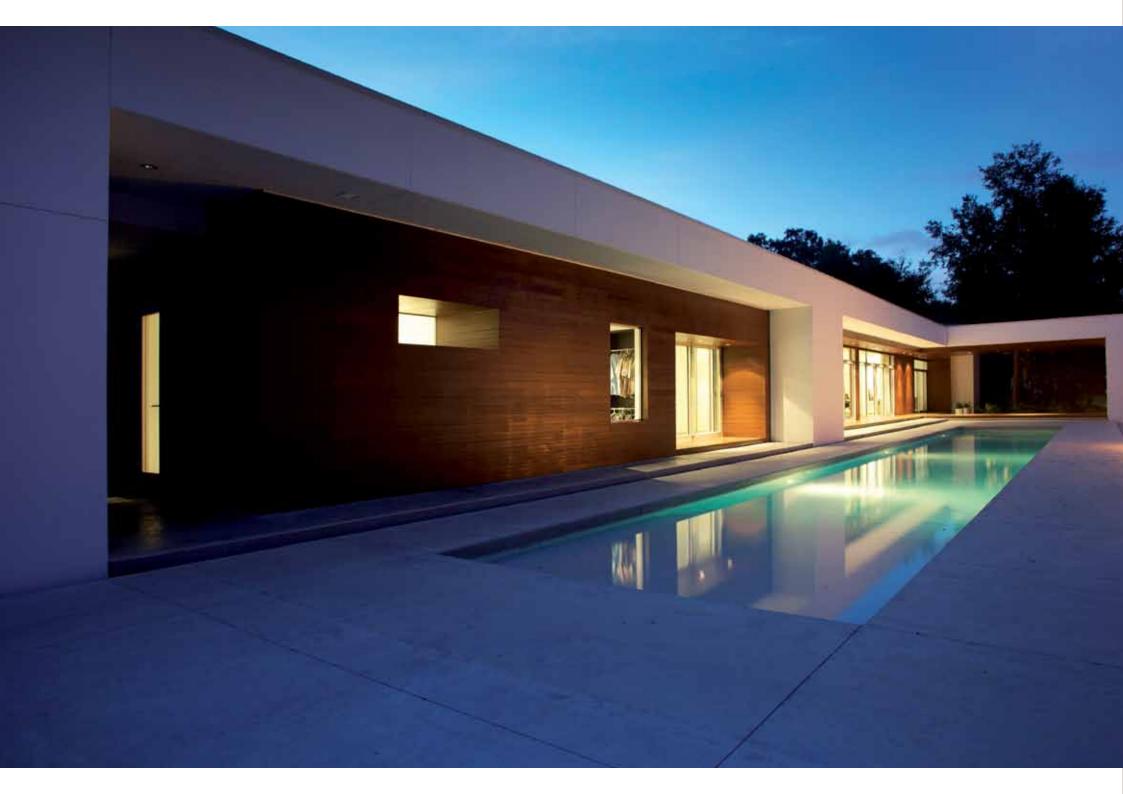
Resysta Uni Seal

Sealant for grouting Resysta.

Resysta Power Primer

Bonding agent for Resysta Turbo Tack and Resysta Floor Bond.







Thanks to Resysta the most beautiful places on Earth become even more attractive.

In the mean time, the revolutionary material Resystacon quers the world and sets completely new angles in architecture. On the following pages you will find examples of realised visions. Let your self be fascinated by the endless possibilities of this "miraculous" material. We are looking forward to shaping your future ideas.



Private Villa – Weston, Florida







material used: RESYSTA DKG 12522

amount in square meters: 260

color shade: FVG C08

year of construction: 2011

climate: tropical moist



Quellenhof**** – Meran, South Tyrol





material used: RESYSTA DKG 12522

amount in square meters: 1200

color shade: FVG C24

year of construction: 2010

climate: alpine



Penthouse – Miami Beach, Florida







material used: RESYSTA DGK 12522, RESYSTA FPS 7020, RESYSTA RUH 7038

amount in square meters: 110

color shade: Resysta untreated with 2K sealer

year of construction: 2010

climate: tropical moist



Nelson Mandela Cottage – Johannesburg





material used: RESYSTA DKG 12522

amount in square meters: 140

color shade: FVG C08 and Resysta untreated

year of construction: 2011

climate: sunny, dry



In the past 10 years...



Hilton, Singapore



Royal Spa, Kitzbühl



ceiling constr. installed 2003 – timeless beautyung Chung Park, Hong Kong





footbridge-more than 1 million feets ince 2001 Pick'n Pay Shopping Centre, Johannes burg

...more than 1000 projects have been realised worldwide.

Clifton Appartments | Cape Town, South Africa
Crowne Plaza Hotel | Singapore, Malaysia
de Zalze Golf Club | Stellenbosch, South Africa
Eco Lodge | Malawi, South Africa
Four Season Hotel | Langkawi, Malaysia
Four Season Hotel | Seychelles, Africa
GrandCopthorneWaterfrontHotel|Singapore,Malaysia
Hardrock Hotel | Penang, Malaysia
Hilton Hotel | Singapore, Malaysia

Hotel Bergland | Sölden, Austria

Hotel Grand Maya | Kuala Lumpur, Malaysia

Hyatt Regency | Waikiki, Hawaii

Kandooma | Maldives

Lake House | Winterhaven/Miami, USA

Lechner Massivhaus | Berlin, Germany

Leopard Creek Golf Resort | Kruger National Park

Mandela cottage | Johannesburg, South Africa

Marriott | Waikiki, Hawaii

Oasis Hotel | Singapore, Malaysia

Pick'nPayShoppingCentre|Johannesburg,SouthAfrica

Quellenhof | St. Martin/Meran, Italy

Royal Spa Hotel | Kitzbühel, Austria

Rupert&RothchildWineEstate|Stellenbosch,SouthAfrica

Shangri-La Hotel | Manila, Trallis

Shangri-La Hotel | Vancouver, Canada

TheVaalDamePublicWalkway|Johannesburg,SouthAfrica

Resystaisawardedduring the course of the anniversary competition, category "Construction"



Resysta is awarded during the course of the Design&ProductAward,category"DesignMaterials"



Resysta is awarded during the course of the Innovation Award Architecture and Building, category "Sustainability"

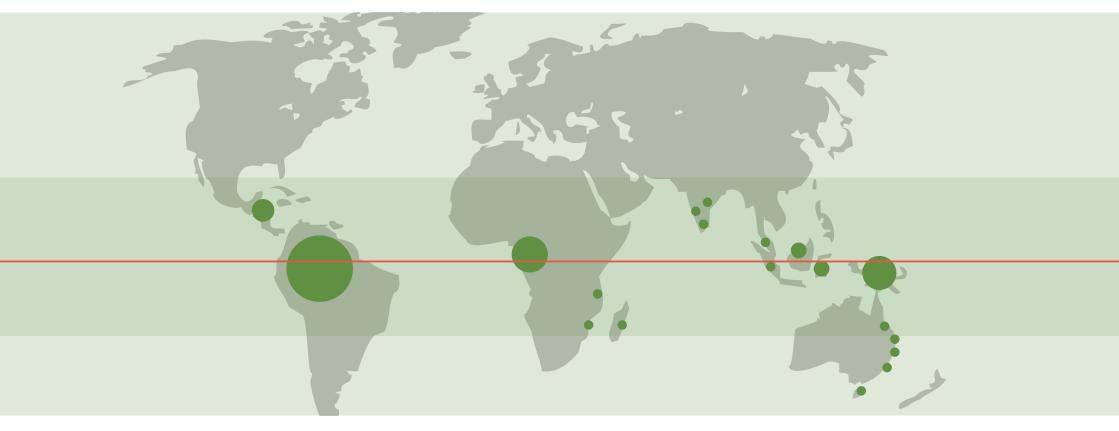
Tung Chung Park | Hong Kong, China





Our Green Lungs Breathe a Sigh of Relief.

Around the globe, interrupted only by the great oceans, a wide belt of prime val for est covers our earth—the tropical rain for ests. They are home to innumerable, partly unknown kinds of plants and an imals. Our » green lung «absorbs a huge a mount of carbon dioxide and is essential in order to maintain climate. Saving the tropical rain for ests is easier said than done, as long as the demand for tropical woods is still increasing. With Resysta, everyone can contribute to the protection of the rain for ests, since it is absolutely wood free—not a single tree needs to fall for it.



It is time for Resysta. Every minute of every day thousands of square meters of the tropical rain forests are cleared forever.



Zero Emission Product

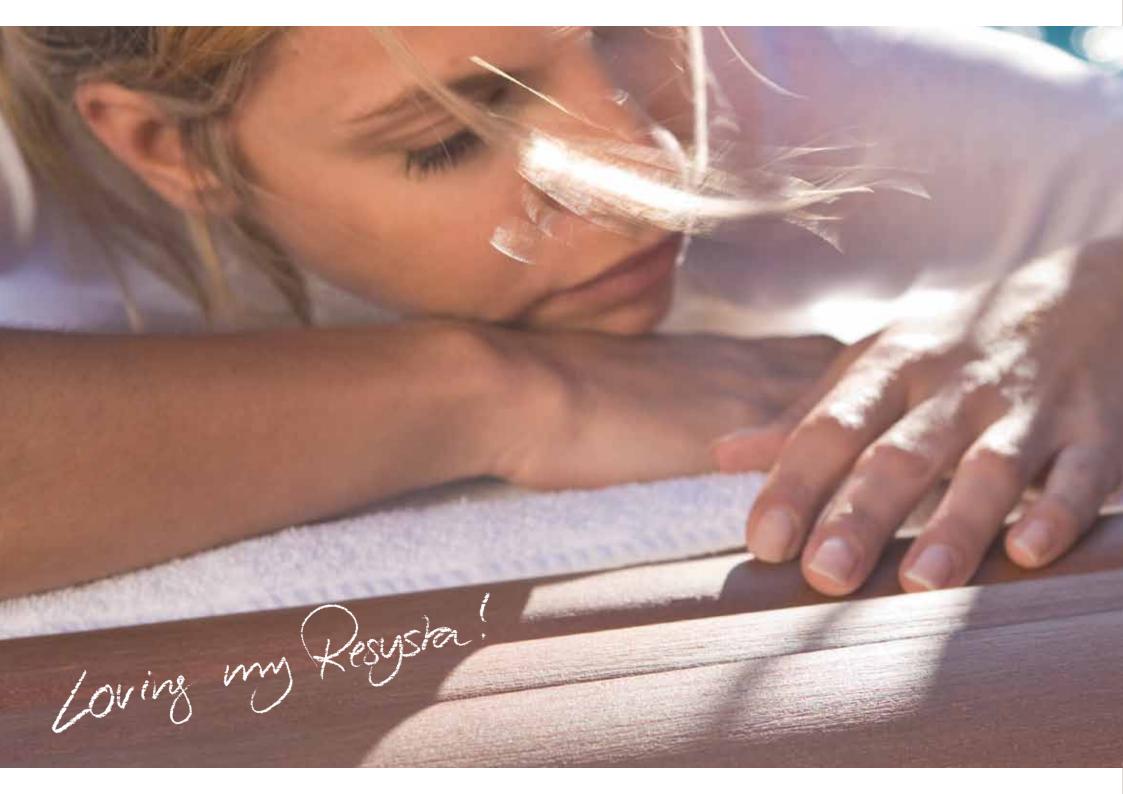
Owing to the bonding of carbon dioxide in the rice husk-the main component of Resysta-the carbon dioxide arising from production and transport is compensated. Resysta's durability actively contributes to a positive eco-balance.

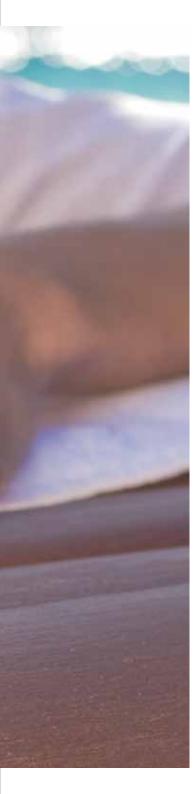
Valuable resource

Resystamakes rice husks a valuable resource. So far, rice husks have only been aby-product of rice production. Rice farms now benefit from selling the husks.

100% recyclable

Resystaactively deals with recycling. Even after many years of use, the material can be returned to us. Resysta can be pulverised and new Resysta products can be continuously reconstituted.





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Thankstoeach and every one of you who is contributing to the company's success. To our employees for their individual commitment. To architects, craftsmen, dealers and partners who plan, tender, process and sell with the same passion as we produce.

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»The Future is made of Resysta«

100% no wood • 100% no WPC • 100% waterproof

