

Technical Information

UPB[®] BOARDS

made of (Resysta[®])

- **100% Water Resistant**
- **Easy Processing - Like Wood**
- **Customized Color Design**
- **Premium Edge**
- **Thermoformability**
- **100% Recyclable**



reddot design award
winner 2017



**Green
Product Award**
Winner

CATEGORY ARCHITECTURE

Design-Board with Natural
Look & Feel of Wood **UPB BOARDS**

iW
INTELLIGENTWOOD
UPB[®] Boards made of (Resysta[®])



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1. MATERIAL

Universal Boards made of Resysta look like wood, feel like wood and can be processed like wood. Thanks to the thermoplastic properties the boards are thermoformable.

or WPC and may even be installed in water. They do not decay or rot - even under hardest conditions. Perseverative replacement and maintenance is not necessary.

This results in a wide scope of design for numerous applications. The boards can be utilized for flooring, facades or in interior fittings. Universal Performance Boards are easy-care, thanks to water-resistance and UV-resistance, considerably longer lasting than wood

Consisting of approx. 60 % rice husk, these products are very sustainable and are exemplary for the technological further development of natural raw materials. They are 100% recyclable. All production and installation waste is re-useable and can be processed into new products.



Raw Material: approx. 60% rice husk, approx. 22% rock salt, approx. 18% mineral oil

Look and Feel

- natural look of wood
- natural feel of wood
- can be glazed like wood; wide color range
- wide variety of varnish systems available
- depending on the area of application (e.g. 2-K-lacquer for high scratch resistance)
- different surface designs possible (surface pattern, brushed, digital print)

Durability

- no rotting - resistant against mildew
- resistant against wood-destroying fungi
- resistant against wood-discoloring fungi
- no graying
- water-resistant
- UV-resistant
- no cracking
- environmentally compatible building material

Technical Advantages

- can be processed by means of all common woodworking tools
- homogeneous edge
- no need for subsequent foil, veneer or edge
- all common fixing material and systems usable
- bonding by means of a wide variety of glues
- thermoformable

UPB Board skin extrusion



2. MANUFACTURING PROCESS

UPB Boards made of Resysta have a density of 0.6g/cm^3 and are therefore very light, which significantly facilitates handling at production and installation. The material expands very little and exerts only a small amount of force when heating up, making installation

extremely easy. Reduced heat conductivity prevents fast heat build-up of patios or facades. INTELLIGENT WOOD products with ecoplus³ technology by Resysta provide intelligent solutions in comparison to other panel materials.



Generation of the surface structure by means of wide-belt sanding machine in the course of the production process

To achieve the typical look and feel of wood, the boards have to be sanded. This is best done by means of universal wide belt finishing machines. If the boards are sectioned first, they can subsequently be sanded by means of profile sanding machines.



Recommendations and Hints:

- Boards that are not sanded, should be sanded to a maximum depth of 0.1 - 0.3 mm to create the wood-like structure.
- Different surface patterns are possible. (depending on feed speed, belt speed, oscillation)
- Generally the same sandpaper can be used which is suitable for wood.
- Recommended types of sandpaper: corundum (aluminum oxide) and silicon carbide.
- Recommended sandpaper grit 24 - 40. (depending on the desired structure)
- To avoid tension in the board, we recommend sanding both sides evenly.
- Extract and collect abrasive dust. The abrasive dust can be reused and extruded together with virgin material into new products. The dust should not be burnt.
- Avoid a high concentration of abrasive dust.

Typical Features and Settings:

- rubber roller
- belt speed (4 m/s - 18 m/s)
- feed rate (5 m/min - 10 m/min)

*board before
sanding*

*board after
sanding*



3. GENERAL INFORMATION / PROPERTIES

The following basic properties should be considered with regard to the development of products or the application of UPB boards made of Resysta.

General Use

- decorative
- UPB boards have no structural properties

Thermal Properties

UPB boards are thermoplastic material and therefore subject to particular thermal properties.

The following issues should be considered:

- Cutting and installation should take place at constant material temperature.
- Dark glazes and colors result in higher heating-up and material stress in comparison to lighter colors.

Fixation / Construction

- Fastening is usually done with screws. Select fasteners according to application. Pay attention to occurring forces and drawing of the fasteners. Select large enough screw heads and tighten screws slowly to prevent screw heads from being pulled through. Depending on the application, pre-drill if necessary. (e.g. for facades)
- As alternative to mechanical fastening, glueing is possible (see chapter 7 - Glueing).
- At installation, thermal expansion must be taken into account.
- Expansion is directly proportional to the length or width of the product.
- Higher values with free expansion than with fixed screwing.
- Comply with distances to other structures / edges depending on the coefficient of expansion. This value is reduced to 2mm/m with fixed screwing.
- Place enough fastening points. These are also dependent on the maximum distances. Choose the mounting distances depending on the board thickness and shoring situation.
- For detailed installation guidelines please refer to further leaflets.
- Select a distance between 1.0 - 1.5 cm from the edge to the fastening points in order to avoid upward bending at the edges (regardless of panel thickness).
- Possibly allow free expansion depending on the product and application area.

Please note:

Board Thickness	8 mm	12 mm	16 mm	20 mm
recommended maximum mounting distance in cm	25	30	35	40

Note:

Distances are to be adapted to valid requirements depending on the application such as tables or benches.

One of the special features of UPB boards made of Resysta is the ecoplus3 technology, which reduces the thermal expansion force to approx. 1/7 of conventional plastic sheets. UPB boards made of Resysta can therefore be used with conventional fixings (such as for wood) to reduce thermal expansion to a minimum.



Façade

- Rear-ventilation is required when used as façade elements. This is to avoid moisture and overheating in the building.
- Flammability requirements are dependent on the respective regulations and the required fire behavior. Boards with increased flame protection (B, s2, d0) are possible on request.
- Pre-drill and screw free of constraint forces.
- For more information please refer to the installation guide

Homogeneous Edge Cross Section

The edges do not have to be laminated afterwards because they already feature a homogeneous cross-section. After each cut, further processing can be initiated immediately. If necessary, the edges must only be rounded or slightly re-sanded.



Advantages at a Glance



ABSOLUTELY WATER-RESISTANT

water- and weather-resistant
salt- and chlorine-water-resistant
UV-resistant | no swelling



SUSTAINABILITY

100% recyclable
100% no wood



CREATIVE FREEDOM

generous board dimension
easy handling



RESISTANCE AGAINST TERMITES AND FUNGI

resistant against fungal decay and
termite attack.



NEW SCOPE OF APPLICATION

provides new possibilities, which would
not be possible with wood



NO CRACKING & SPLINTERING

smooth surface, as cracking does not
take place
no splinters



COLOR CONCEPT

surface can be colored individually
with Resysta colors, varnish and oils



NO ROTTING

can be installed directly in the ground



THERMOFORMABLE

Resysta can be formed by application
of heat



4. MECHANICAL PROCESSING

The products can be processed with all common tools and machines used in the woodworking industry.

The most common mechanical processing options include sawing, drilling, sanding, milling, nailing.

4.1 Sawing

All saws used in the woodworking industry can be employed. For circular saws, carbide tipped tools are recommended.

Fine saw blades as well as coarse saw blades may be used. Using a fine saw blade produces a slightly more uniform cross-section of the edges.

Machines and tools

- format - circular saw
- panel sizing saw
- hand saw
- jigsaw and others



format circular saw

4.2 Drilling

All drills used in the woodworking industry can be used.

Machines and Tools

- standard twist drills for wood (HSS, carbide tipped)
- hand drill
- drill press
- drilling machines (CNC machines)



4.3 Sanding

UPB boards made of Resysta are supplied ready ground and can be processed directly. If soiled or scratched, the surface can be reground or cleaned before painting.

Note:

- sandpaper grit size > 80 to remove dirt
- do not grind too deep; the surface structure and the stability of the board will be lost
- to provide edges with the appropriate structure, regrind with sandpaper grit 24-60.

Tools

- manual power tool
- wide belt sanding machine
- profile sanding machine



4.4 Milling

All milling machines used in the woodworking industry can be employed. It is recommended to use carbide tipped tools.

Tools

- router
- milling table machines
- CNC milling
- 4-side processing machine

Note:

Abrasive dust and milling waste must be collected separately. Do not burn. The collected waste can be reused and incorporated into new products.



5. THERMAL PROCESSING

5.1 Thermal Forming

Due to their thermoplastic properties, UPB boards can be deformed by heating.

The following should be noted:

preliminary tests required
if the radius is too small, the surface may tear
possible radius depending on the board thickness

Manual Deformation - Process:

- sufficient heating (approx. 1 - 1.5 min per mm board thickness)
- temperature approx. 100 - 120 degrees Celsius
- hold (lock) - time at temperature approx. 3 - 4 min
- cooling down (approx. 1 - 1.5 min per mm plate thickness)
- please consider possible shrinkage

The panel may shrink when heated without tenter frame. Thus, the end product should only be cut to size after reshaping and cooling.

Note:

Test for individual cases, depending on the thickness of the board and the desired shape.

Shaping by means of vacuum presses

During shaping, heat supply might be necessary during the process.

For deeper shapes, a retaining frame may be required. Preliminary tests necessary.

Process:

- temperature: approx. 120 - 125 °
- heating: approx. 1 - 1.5 min per mm board thickness
- forming
- cooling time: approx. 1 - 1.5 min per mm board thickness



5.2 Heat-Sealing

Due to the thermoplastic properties, two UPB boards may be bonded by heating and compressing (heat-sealing).

The following short-term heat-sealing factor was determined:

Parameter:

Heating Element Temperature:	225°
Warm-up Time:	60s
Contact Pressure:	0.2 MPa
Joining Pressure:	0.2 MPa

Results:

	Standard	Value
Short Time Heat Sealing Factor (Tensile Strength)	DVS 2203 Part 2	0.68
Short Time Heat-Sealing Factor (Flexural Strength)	DVS 2203 Part 2	0.76

The factor reflects the value for the strength compared to the not bonded material.
Factor 0.68 = 68 % of the original stability.

heat sealed samples

*same sample after
sanding*



6. MECHANICAL JOINING TECHNIQUES

The UPB boards can be connected with all standard fasteners, such as screws and nails.
The appropriate fasteners should be selected in accordance with the application.

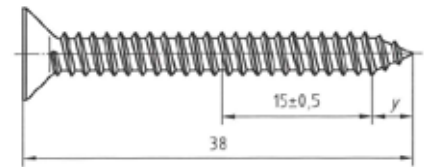
6.1 Screwing into the UPB board

Screws used in woodworking can be employed. For outdoor areas, corrosion resistance has to be considered. Basically, the screws can be screwed directly without pre-drilling. Pre-drilling can improve the guidance of the screw and the screwing in.

The screw withdrawal force depends on the screw geometry.
The following values were determined according to standard EN 320 for screwing into the material.

	Standard	Value
Screw Withdrawal Resistance - Surface	EN 320	$\geq 1200 \text{ N}$
Screw Withdrawal Resistance - Narrow Side	EN 320	$\geq 1200 \text{ N}$

Screw used for testing in accordance with EN 320: steel screw
4.2 mm x 38 mm, thread ST 4.2 thread pitch 1.4 mm



- different screws for different applications
- pre-drilling is usually not necessary when screwing into the material
- pre-drilling is advisable, when drilling through the material
- adjust the pilot hole to type of screw:
 - countersunk screws: shaft diameter of the screw
 - button head screws: + 0.5mm to the screw diameter

6.2 Nailing into the UPB board

Nails can be driven directly into the board or through the board. Depending on the application, the appropriate material should be selected.

The nail withdrawal force depends on the type of nail (fluted, smooth).
The following values were determined according to standard EN 320

	Standard	Value
Nail Withdrawal Resistance - Surface	EN 320	$\geq 200 \text{ N}$
Nail Withdrawal Resistance - Narrow Side	EN 320	$\geq 300 \text{ N}$

Nail used for the test: steel nail, smooth shaft, diameter 3 mm



7. GLUEING

UPB boards made of Resysta can be bonded with a variety of different adhesives on different substrates and backing materials. The suitable adhesives are to be selected according to the requirement and application. We recommend to carry out preliminary tests to determine the suitability of the adhesives. Generally, manufacturers of adhesives also give advice.

Please find below an overview of the different adhesives. However, this is not an imperative recommendation.

General information:

- Adhesion on sanded surface is higher than on unpolished surface.
Any existing abrasive dust should be removed to improve adhesion.
- Glueing of the non-ground surface is less suitable and not recommendable, due to the smooth surface and existing lubricant residues from extrusion.
- When glueing a non-ground surface, roughening and pretreatment with acetone or primer is recommended.

When choosing the adhesives, please note:

- Quality of the adhesive depending on the application and the requirements:
 - adhesive force
 - UV-resistance
 - temperature resistance
 - water-resistance
 - durability
 - temperature fluctuations
 - flame resistance
 - required approvals (IMO, flame retardant)
 - general properties (rigid, elastic, initial adhesion, final adhesion)
- materials to be joined
- size of components
- processing requirements
 - open time
 - curing time
 - press time
 - press pressure
 - type of application
- type of curing
 - physical
 - chemical
- processing options / existing systems

Possible Types of Adhesives

Basis	Curing	Remark
1 component PUR	by means of water absorption (humidity)	optionally spraying with water necessary, foams, back pressure necessary
2 component PUR	curing by 2 components	high stability
PUR hotmelt adhesive	physical	fast adhesion, machine application, compensates unevenness
Hybrid Adhesives (MS / SMP)	by means of water absorption (humidity)	optionally spraying with water necessary
Epoxy	curing by 2 components	very hard and rigid, high stability
Cold Shut PVC adhesive	bonding through material etching	bonding only Resysta / Resysta – Resysta / PVC possible
Contact Adhesive	contact of the two adhesive surfaces	bonding of adhesive surfaces by pressing
PUR dispersion	physical curing by water delivery	aqueous PUR adhesive, heating to 50 ° necessary
PVAC dispersion	physical curing by water delivery	good stability with ground surface, no connection with unpolished surface

Hints:

The above table indicates, which type of adhesive is basically suitable.

The appropriate adhesive should be selected in accordance with application and requirements.

- Humidity-sensitive adhesives may require additional moisture. Since Resysta does not give off moisture, moisture must be supplied from outside (by spraying for example).
- As Resysta is not absorbent, adhesives that require an absorbent substrate are of limited suitability. These should only be used on sanded surfaces.

Exemplary choice of adhesive manufacturers: (others also possible)

Bostik (MS adhesives, contact adhesives), Fenoplast (cold shut adhesives), H.B. Fuller (PUR hotmelt adhesive), Henkel (cold shut, epoxy; PUR), Huntsman (Epoxid, PUR, MMA), Innotec (Special Facade Adhesive), Jowat (PUR, MS Polymer, Dispersion, 2K SE Polymer), Kleiberit (PUR hotmelt adhesives, PUR, PUR dispersion, STP (construction adhesive)), Otto Chemie (PUR, sealants), Ramsauer (PUR, hybrid, sealants), Uzin (2 K PUR, epoxy, sealants), Tremco-Ilbruck (PUR, hybrid), Weiss Chemie (PUR, hybrid), West System (Epoxy, T-Flex), Würth (PUR, cold shut adhesives)

Manufacturers will assist in choosing suitable adhesives. (Certificates available on request.)

Clues for bonding various materials with Resysta

Material	Remark
Resysta / Resysta	make sure that surfaces are clean and free of dust
Resysta / wood	wood moisture absorption has to be considered
Resysta / wood composite	pay attention to moisture absorption
Resysta / aluminium	PUR adhesives, possibly cleaning aluminum necessary
Resysta / metal	possibly prime, powder coating
Resysta / PE, PP	corona / plasma pretreatment / primer required
Resysta / PUR, polystyrene	PUR adhesives
Resysta / PVC	PUR adhesives, possibly cleaning / primer necessary for PVC
Resysta / HPL / Duroplast	use adhesives suitable for HPL / Duroplast
Resysta / concrete / screed	tile adhesive, MS adhesive, primer or pretreatment necessary
Resysta / wall / tiles / ceramics	MS adhesive, high initial adhesion, possibly use primer

Important:

The suitable adhesives depend on the material to be joined and the requirements. Different properties such as thermal expansion and water absorption have to be considered. Comply with manufacturer's application advice.



8. SURFACE FINISH

Resysta UPB boards feature a smooth surface after extrusion. The typical wood look is obtained by additional sanding. In both cases, the surfaces are untreated. Various possibilities are available for surface design. Surfaces can be customized and optimized with glaze, oil and varnish.

Surface treatment of products made of Resysta is basically differentiated between outdoor use and interior application. Mechanical stress, UV-exposure and moisture has to be taken into consideration for outdoor use.

For indoor applications, special requirements for wet rooms have to be considered. Resysta is a natural material. Surface coatings and color shades may vary with any product.



Hints:

Varnishes or sealants protect against soiling and facilitate cleaning. Depending on the requirements and the application, different varnish systems can be employed.



The natural look & feel of wood characterizes the UPB board.

We want to preserve this look and feel in every color variant.

Therefore we have developed a special coating systems that, thanks to their transparency, make this look and feel tangible. Dark shades of color enhance the structured look. These transparent and water-based paints specially developed for the UPB board are exclusively produced by Resysta International GmbH and are available at your importer / wood specialist dealer.

Exclusively for our coating systems we grant up to 25 years warranty against flaking!

Resysta International GmbH offers the following products depending on the demands.

	Product		
Transparently colored varnishes for decorative interior and exterior color design, e.g. facades, fences, soffits. Water-based, quick-drying and easy to work with.	RBP	Primer / base coat	Surface pretreatment and sealing
	RCL colored	Transparently colored varnish	Coloration and painting
	RCL clear lacquer	Clear lacquer	Optionally creates additional abrasion protection
Transparent colored stains with an additional 2-component clear lacquer for mechanically and chemically highly resistant interior and exterior surfaces, e.g. terrace floors and functional furniture. In the case of facades, the surface is graffiti resistant.	RBP	Primer / base coat	Surface pretreatment and sealing
	FVG	Transparent stain	For coloration
	RFS	2-component clear lacquer	For sealing and protection
Naturally transparently colored oils that can be quickly and easily applied and refreshed due to simple handling. Exceptionally well-suited for easily accessible areas such as floors.	RTO	Transparent oil	Coloration and protection



8.1. Outdoor Areas

Transparent Coatings:

For transparent coatings in outdoor areas, we recommend using products offered by Resysta International GmbH. Commercially available transparent wood coatings for exterior wood are not suitable.

Transparent surface coatings for outdoor use are only available at: Resysta International GmbH

Opaque Coatings:

For opaque surface coatings, commercially available materials that are suitable for the respective application can be used.

The suitability of the surface coatings for the various areas of application must be clarified with the respective manufacturers.





8.2. Interior Space

All coating systems offered by Resysta International can be used for indoor and outdoor applications.

Transparent Coatings:

Recommended are surface coatings by Resysta International GmbH or all commercially available water-based products suitable for the respective application. Solvent-containing products should not be used.

Opaque Coatings:

Commercially available aqueous or solvent-based products can be used here. The choice of the appropriate product depends on the area of application and the requirements.

The suitability of the surface coatings for various areas of application must be clarified with the respective manufacturers.

Stress Areas and Examples

mechanically stressed:	floor, furniture (tables)
mechanically less stressed:	furniture
not stressed:	ceilings, furniture

8.3. Digital Printing

UPB boards are particularly suitable for digital printing. In digital printing, many wood patterns and customized designs are feasible. To preserve the look and feel, digital printing is recommended on sanded surfaces.

Color can be controlled by underlaying with white rather than direct printing. In case of a white underlay, the hue conforms with the original color of the picture.

We recommend the application of a clear coat to protect against abrasion, dirt and weathering.

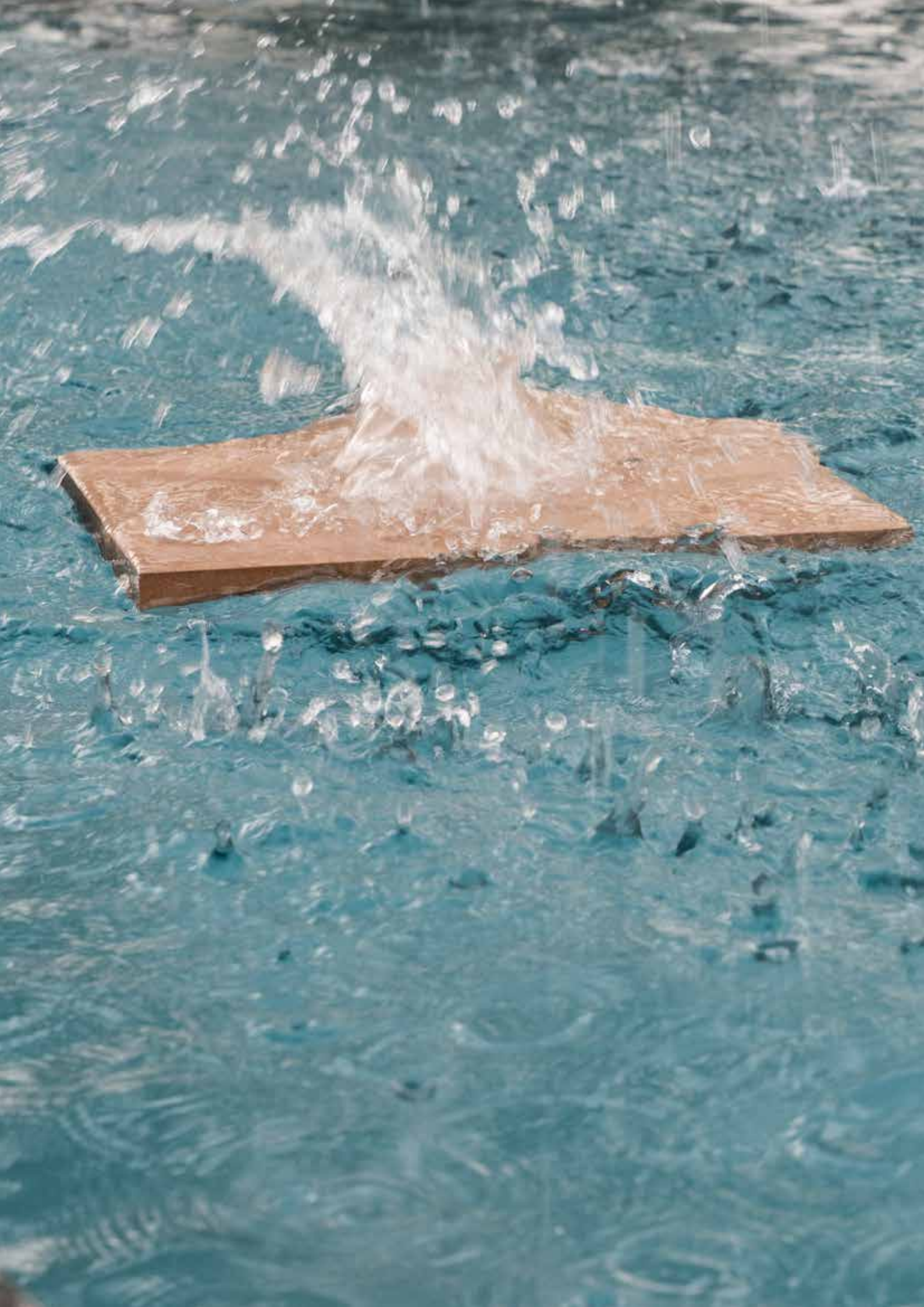


UPB board digitally printed with wooden structure. Left side - white underlay

8.4. Embossing

Due to the thermoplastic properties, imprints can be easily applied. Heat the tools for embossing to approx. 100 - 130° C: Perform pre-tests.





9. FURTHER INFORMATION

Transport

- use cover panel
- use edge protection

Storage

- Store the boards lying horizontally flat on flat surfaces.
- When stored on pallets, the pallet size must have the same size as the board.
The boards may not project, as they could deform.
- Store in a dry place
- Avoid direct sunlight.

Packaging

- Protect from ingress of moisture.
- Do not pack airtight (e.g. with foils).

Disposal

UPB boards can easily be 100% recycled and processed to new Resysta products.

The following specifications must be observed:

- **do not burn cuttings**
- **do not burn sanding dust**
- dispose of possible further dust properly
- cuttings and sanding dust can be collected and supplied to the recycling system
- do not burn cuttings



For detailed questions regarding recycling, please contact the respective dealers, contact INTELLIGENT WOOD or visit the website: www.resysta.de.



Vinyl Plus supports the Resysta Recycling Concept

10. TECHNICAL INFORMATION / MATERIAL PROPERTIES

Characteristics	Standard	Value	Unit
Density	ISO 1183	0.6 +/- 0.05	g/cm ²
Tensile strength	EN 789	≥9.0	N/mm ²
Tensile module	EN 789	≥700	N/mm ²
Bending strength	EN 789	≥10	N/mm ²
Flexural module	EN 789	≥800	N/mm ²
Shear module	EN 789	≥160	N/mm ²
Shear strength	EN 789	≥2.7	N/mm ²
Brinell hardness	EN 1534	≥20	N/mm ²
Screw extraction resistance - surface	EN 320	≥1200	N
Screw extraction resistance - narrow side	EN 320	≥1200	N
Nail extraction resistance - surface	EN 320	≥200	N
Nail extraction resistance - narrow side	EN 320	≥300	N
Head pull-through parameter	DIN EN 1383	≥25	N
Thermal linear expansion coefficient	ISO 11359-2	5.2 *10(-5)	m/m°C
Thermal linear expansion force	RES 101 SKZ	~1.500	N
Thermal conductivity (λ)	Annex to EN 12667	≥0.07	W/(mK)
Thermal capacity		1.02	J/(gK)
Diffusion resistance (water vapour permeability)	DIN EN ISO 12572	μ = 1000	
Airborne sound insulation	ISO-10140-2	32	Rw(dB)
Water absorption of unpolished panel / weight	EN 317	≤ 2.0% (24h) - Res	
Water absorption of unpolished panel / length	EN 317	≤ 0.1 % (24h) - Res	
Water absorption of unpolished panel / width	EN 317	≤ 0.1 % (24h) - Res	
Water absorption of unpolished panel / thickness	EN 317	≤ 0.1 % (24h) - Res	
Fire behaviour standard - UL V94	UL V94	V0	
Fire behaviour standard - EN 13501	DIN EN 13501	D,s3,d0	
Short-term welding factor - tensile test	DVS 2203 Part 2	0.68	
Short-term welding factor - flexural test	DVS 2203 Part 2	0.76	
Resistance against termites	EN 117	Attempted attack - no infestation	
Resistance against wood-discolouring fungi	EN 15534-1:2012 based on ISO 16869	Assessment number 0 - No growth / No discolouration	
VOC emission	AgBB [Committee for Health-Related Evaluation of Building Products] Test concept / DIN EN ISO 16000-3/6/9 i.a.	Passed	
VOC emission	French regulation no. 2011-321 / DEVL1104875A	Passed	
Durability with respect to wood-destroying fungi (basidiomycetes)	EN 15534-1:2014- 9.5.2 (based on ENV 12038)	Class 1	
Algae resistance	EN 15534.1:2014 - 8.5.6 (based on EN 15458)	Resistance against algae infestation	
Soft rot resistance	EN 15534-1:2014, Subsection 8.5.3 based on CEN/TS 15083-2	Highest durability class	

11. GUARANTEE PROVISIONS

INTELLIGENT WOOD guarantees, for a period of 80 years, that Universal Performance Boards made of Resysta will neither swell, splinter, rot or crack. This manufacturer's guarantee applies in addition to existing statutory warranty rights of the end customer towards the respective seller.

As a rule, the guarantee certificate, defining the guarantee conditions in detail, will be handed out to the end customer by the dealer for countersignature. It is also available at: www.intelligent-wood.de



Resysta International GmbH guarantees its end customers for a period of up to 25 years the "not flaking" of their surface products, in compliance with the processing instructions included in the respective packaging.



12. LEGAL NOTICE

UPB boards made of Resysta have no building-authority approval and are not suitable for load-bearing or constructional purposes. In individual cases, approvals must be clarified with the building authority. The local building regulations are to be observed. The construction and fastening have to be executed according to the general state of the art and have to be coordinated with the respective application and purpose. Check material quality prior to installation. Observe all current standards and regulations. The information and data contained herein are deemed to be accurate and have been compiled from reliable sources. Resysta International GmbH makes, neither express nor implicit, assurances of any kind as to the accuracy or completeness of the information and data contained herein. Resysta International GmbH is not liable for claims arising out of the use of, or reliance on the information and data contained herein, regardless of whether the claim refers to incorrect, incomplete or otherwise misleading information and data. They merely serve for evaluation, examination and testing by the user. Due to possible technical changes, it lies within the responsibility of the user to obtain the latest information. This information exclusively describes the safety requirements of the product / products and is based on the current state of our knowledge. It does not constitute an assurance of the described product / products in terms of statutory warranty regulations.

Water-Resistant Board with the Natural Look & Feel of Wood

UPB® BOARDS made of (Re)systa®



Version October 2019 | international

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