

# RAGGY WOOD *House*



**RAGGY WOOD** is a 3D structured board made of coniferous wood: spruce and pine Softwood has a high biostability due to its resins and has a relatively high physical and mechanical characteristics as well as low thermal conductivity. Multilayer application of professional water-based paints provides antiseptization, UV protection and decorative effect. Painted boards are used for both exterior and interior finishing as they are not harmful to human health.

**NATURE** is a structured board without finishing (painting).



**UNICOLOR** is a standard program of 6 monochrome decors.\*



**COLOR** is a standard program of 14 multicolor decors.\*



\*For all combinations of structures and colors please see Color List.

## Types of structure

In order to manufacture RAGGY WOOD structured board the surface of the base material is mechanically treated to get a structure, which imitates the effect of the aged wood (cracks, chips, sawing marks). Structures of different types are characterized by combination of various grooves placed in a certain sequence on the surface of the board.

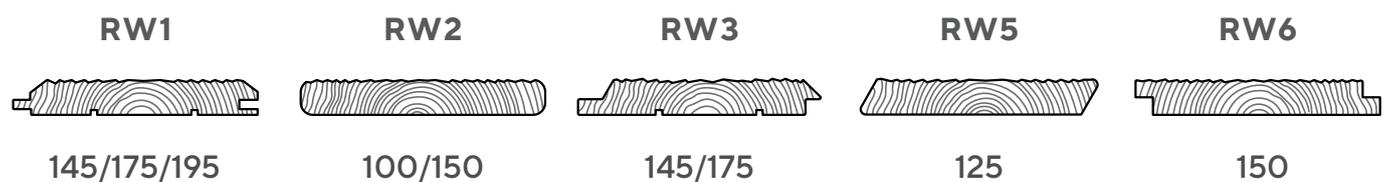


**SPLIT** is a deep linear structure with cracked wood effect

**BARK** is an expressive structure resembling the tree bark.

**CROSS LINE** is a textured surface imitating cross-sawing.

## Types of profile



## Characteristics of the base material and types of profile

Type of wood	Coniferous (spruce, pine)
Thickness, mm	18÷23
Width, mm	50÷200
Length, mm	3000
Humidity, %	14-16
Density, kg/m <sup>3</sup>	450÷500

## Paint and varnish finishing

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The structured board is treated with paints and varnish materials according to the scheme developed by the supplier of paintwork materials and the manufacturer («Arbor Nova» LLC). The reverse side of the board is not decorative and coated with paintwork materials only for antiseptization. Coating defects in this case are not rated.

The edges of the product (along the short side) are not finished with paintwork materials, as they are cut to size during the assembly.

## Paint coat renewal

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Painted structured board which is used for outdoor, can be renewed (on average every 4 years, depending on the climate). It is recommended to renew the lacquering coatings with the same materials as the originals were. Analogues are possible (water-soluble industrial wood coatings for exterior use). Sanding is not required, only proper cleaning from dust and dirt is needed.

## Service life of the paint and varnish finishing

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According to the test report № 79 dated 26.07.21 (Independent Research & Testing Centre «Rutil» LLC), structured boards coated with paint and varnish materials have passed the accelerated climatic tests according to GOST 9.401-2018, method 6. As a result of the tests, it was found that paintwork finishing can be recommended for outdoor use in conditions of temperate climate with a service life of not less than 4 years.

## Packing and labeling

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Packing shall protect the structured boards from mechanical damage, dirt, moisture, atmospheric precipitation and sunlight during transportation and storage.

Standard small-batch packaging includes formation of six pieces pale and wrapping it in a black-and-white polyethylene film in order to reduce the negative effects of UV rays and greenhouse effect.

Each package has a label contains trademark, name of the manufacturer (Arbor Nova LLC), customer's name, order number, quantity and characteristics of the structured boards, date of issue.

In case of large-scale order, the number of items in the pile shall be additionally agreed.

## Transportation

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RAGGY WOOD structured boards are transported by all types of transport in covered vehicles and containers that exclude contamination, mechanical damages, violation of package integrity.

## Assembling

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The installation of the RAGGY WOOD structure board is carried out depending on the type of profile.

Do not forget about the linear expansion of the material, take into account the gaps during installation.

## Storage

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1. RAGGY WOOD structured board for indoor use should be stored in a dry, ventilated room. In case of outdoor storage for more than 7 days, we recommend to lay every 4 rows of the boards through the protected strip and cover with a vapour permeable membrane. After bringing the products indoors, we recommend to bundle the boards as during the shipment, to pull them with PVC-tape and create a «press effect» in order to avoid deformation caused by sudden temperature fluctuations.
2. RAGGY WOOD boards for exterior applications should be stored horizontally on a flat surface or in a stack, laid with timber bars, excluding sagging. We recommend stacking the boards outdoors as high as possible above ground level and covering with foil to avoid direct UV rays exposure and moisture.

## Important information

Wood is a naturally anisotropic material and cannot be uniform in color, structure and porosity.

As a consequence:

- It happens that in some parts of the surface the structure is deeper and in the places of concentration of annual layers it is less deep. Such feature is considered as a natural wood particularity but not a defect;
- color and gloss degree of the sample may differ from the order item, which is also acceptable;
- when replacing or additionally ordering some elements, there may be visible differences in color, which is not considered as a low-quality products.  
For more detailed quality requirements please see Technical Data Sheet.
- as a timber reacts differently to paint and varnish coatings, the structured boards may differ in color tint even within the same batch;
- In case of replacement or additional ordering of structured boards, visible color differences are possible, and not considered as defect;
- the show-through of the underlying layer is allowed because the coating has a pigmented semitransparent texture and rustic design.

For more detailed quality requirements to RAGGY WOOD color boards please see Technical Data Sheet.

