

# DAB FLOW HOLZ



DAB FLOW- HOLZ protects wood surfaces against weathering and delays the greying (UV-protection). Applicable as first coating of untreated/new woods, as refreshment for light weathered woods as well as for the coating of wood surfaces after refurbishment. The wooden structure is intensified and the moisture in the wood is regulated. The product penetrates into the wood and does not form a film on the surface. DAB FLOW - Holz is water based, free of biocide additives and can be used inside and outside according to DIN EN 71-3 (safety for toys).

In case of strong greying, dirt or even fungal infestation a prior treatment with DAB FLOW, RE-HO2 should be carried out.

DAB FLOW- HOLZ contains no hydro- or oleophobic additives, we therefore recommend for post treatment and for best possible preservation DAB FLOW-TÜNCHE

## Characteristics:

- Intensifies the wooden structure and gives a natural wood colour.
- Excellent draining properties, simple to apply
- not film-forming, minimum raising of fibres
- glazing, weather proof
- Environmentally friendly, free from additives against fungi and insects
- moisture regulating
- Suitable for interior and exterior surfaces
- Colour: milky, unpigmented, surface will darken
- Colouring versions (pigmented) available upon request

## General application:

Use undiluted. Shake well before use Both components must be mixed completely Do not use below working temperature of 5°C. Do not apply in direct sunlight If the product dries too fast under heat, DAB FLOW-HOLZ can not merge with the wood surface properly. The surface must be absorbent, dry, clean and free of grease. There may be no residues of any other cleaning agents or coating materials on the surface. The wood moisture should not exceed 18%.

In general the product can be applied using all common methods. Flooding, dipping, painting (as well automatic painting device), polishing or VACUMAT®.

For example: Apply by painting with a brush (in direction of the fibres) in two working steps. In the first step apply until the wood is completely saturated. Avoid formation of puddles. After drying of the surface (dependend on the absorbency of the wood, humidity and temperature between 6 and 8 hours, for some tropical woods even longer) the second coating can be applied. The longer the drying time between the coatings the more effective is the protection. In the second working step significantly less material is needed. The treated surface shall be protected against rain until completely dried.

The intensification of the wood colour is dependend on the wood species, wood moisture and application rate. Trial coating is recommended.

All in all care should be taken that the wood surface can absorb the material and that the largest possible amount is applied. Avoid material residues at the surface. These residues will be washed away in weathering. The amount of the applied product determines the durability of the effectiveness.

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Application tools can be cleaned with water and rinsing agent.

After complete drying the surface can be cleaned with a mild tenside or using DAB FLOW-UNIVERSAL (Mix 1:30 with water). While cleaning make sure that no heavy abrasive effect will be treated on the surface. If possible clean the surface with a soft brush or a soft sponge.

Before further treatment with DAB FLOW-TÜNCHE tecowood/Teakdeckschutz the surface must be completely dry. The surface may not feel oily any more. This process may take up to 7 days, depending on the ambient temperature and the layer thickness.

Details in the utilization are subject to the surface to be treated. We would be please to advise you in detail.

## Application tips for special circumstances:

- Surfaces that have been previously treated with DAB FLOW-TÜNCHE tecowood can only be coated when the repelling effect of the surface has already decreased.
- Very oily woods such as Teak, Iroko, IPE, Cumaru, Padouk, Masseranduba, Merbau, or Almendrillo can only be treated after the wood has been weathered for at least 8 - 12 weeks. By weathering the grease/oil will be washed out and the fibres will raise up. This will result in a better penetration into the surface. Should the fat content in new woods be too high this will result in wetting disturbances, after a few weeks there will be spots. A precleaning with DAB FLOW UNIVERSAL can de-fat the wood and clean it, but this will not result in a higher consumption rate.
- Wood tending to develop fungi and blue stain such as Pine, Douglas fir, Larch (sapwood area) European larch (sapwood area), Pine, Fir or accoya must be treated with an additional fungi/blue stain protection. Use as pre-treatment or as addition to the product. We would be please to advise you in detail. A post-treatment with DAB FLOW-TÜNCHE tecowood AB is not sufficient.
- For less absorbent woods (e.g. Douglas or oak) on vertical surfaces only a small amount of the material can be applied per application step. For less absorbent woods a third application might be necessary. The angular cutting of woods (e.g. for special facade panels) results in a reduction of the absorbance of the wood.
- Attention for woods containing a high amount of tannins (e.g. oak or robinia). The use of these woods in the outside area is critical. By the humidity these woods emit tannins. As a result of this, any kind of organic coating (film-forming or non film-forming, water based or solvent based) will be chemically decomposed. As this decomposition process does not happen consistently, as a result different colour areas and stains will form.
- Thermally modified woods such as thermo ash, thermo beech, thermo pine or plato wood we recommend the application with pigmented version of DAB FLOW - HOLZ Due to the thermo process the UV resistance of the surface is extremely restricted. These woods tend to quick greying. Especially when applied on thermo beech the product needs biocids to avoid blue stain and fungi.
- On hardwood garden furniture the product can be applied using a lint-free cloth by polishing.

## Process instruction for factory-made industrial coatings:

The following instructions show a typical factory-made coating with following mounting at site:

1. Woods are planed and shall be treated:
  - Grind the surfaces with belt grinder grain size 120 up to max. 150.
  - Alternatively: Brush the surface with non-corrosive, rotating steel brushes and polishing with plastic brushes afterwards.
  - or: Fine sawn surface, especially for the facade design, as it results in very good durability
2. First automatic application of the oil via spraying, brushing, Vacumat® or rinsing.
  - amount of material approx. 70-80 ml/m<sup>2</sup>
3. Drying with rapid dr out (tunnel or wall) 1 - 2 hours
4. Second automatic application as described in 2, amount of material only 60-70 ml/m<sup>2</sup>.
5. hardening if possible overnight until completely dry
6. If desired, apply impregnation at site or ex works

For uncommon woods or for different ways of application tests have to be carried out to avoid malfunctions. Please consult our product specialists for this circumstance. We would be please to advise you in detail.

## Physical health:

Free of free nanoparticles.

## Package sizes:

Package sizes are to be agreed depending on the transport way.

## Storage:

Minimum 12 months in original closed-up packaging. Protect from frost and direct sunlight.



# DAB FLOW HOLZ



## Safety/Protection Measures:

When using this product please take note of the instructions on the bottle/canister. We wish to make it clear that the use of chemical preparations should only take place when the safety measures are observed and are always out of the reach of children. The technical information given here is according to the latest technical knowledge and composed from our own experience. In view of the many uses possible with this product it is therefore the responsibility of the user to act according to the given situation in respect of safety - that is to say the user acts upon their own responsibility in any given situation when using this product. That the use of this product takes place out of our jurisdiction, we have set out safety and protection measures, but we cannot be held responsible in any circumstances. For any misuse of the product we cannot be held responsible. In the event of a new version of this information becoming available – this information here set out is no longer valid.

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