

AGLAIA WEATHER PROTECTION LACQUER

Highly elastic, weather-resistant plant oil lacquer for severely weathered woodwork outdoors. Available in 7 full-color lacquers and white. Exclusively made from natural raw materials.



Ranges of Application:

AGLAIA WEATHER PROTECTION LACQUER is suitable for weather-resistant, covering coatings outdoors on size-consistent doors and windows as well as wood siding, framework, fences and log cabins. Also for exterior use to coat steel. Permanently elastic and diffusible. No tendency to peel even when subject to intensive weathering. Contains no biocides. Make sure that wood is non-blueing (see **Maintenance and Aftertreatment**). For coatings indoors, use AGLAIA INTERIOR LACQUER, either glossy or satin-matt.

Processing:

Thoroughly stir up AGLAIA WEATHER PROTECTION LACQUER. Evenly apply a thin coat in direction of grain using a flat or a ring brush. For the first coat, thin with 5 % to 8 % AGLAIA BALSAM LACQUER THINNER according to absorbency. Second coat after 24 to 36 hours, undiluted, but sparingly and evenly. Use a total of 3 coats for unprimed, non size-consistent wood: the first alternatively with AGLAIA WOOD PRIMER or AGLAIA WOOD IMPREGNATION PRIMER.

For size-consistent wood, intermediate coating with AGLAIA PRECOATER and again two finish coats with AGLAIA WEATHER PROTECTION LACQUER.

Fine-sand prior to any further treatment (grit 240 or finer).

For use with spray gun, thin with 8 % to 12 % AGLAIA BALSAM LACQUER THINNER and make sure to apply sparingly and in thin layers. Suitable for low and high pressure up to 5 bar. When using airless or air mix procedures, make sure to use sparingly and, if necessary, smooth off afterwards using a brush.

Technical Features:

As a pure oil lacquer, AGLAIA WEATHER PROTECTION LACQUER contains only plant oils as binders that absorb oxygen when drying and cross-link to become a permanently elastic, diffusible and water-repellent film. No tendency to peel even when subject to intensive weathering, therefore, maintenance-friendly. Continuous weathering accompanied by decrease of glossy shine. Particularly thin coats and economical working are ensured through a combination of UV-resistant, micro-fine mineral pigment powders. High solids content. Thanks to renewable pure plant essential oils, AGLAIA WEATHER PROTECTION LACQUER is CO₂ indifferent and part of nature's cycles. Recommended

from a biological and ecological building point of view.

Physical/Technical Characteristics:

Density:	1.2 - 1.3 g/cm ³
Efflux time (4 mm DIN / 20°C):	100 secs
Solids content:	78 wt-%

Color tones:

White, black, brown, umbra, oxide red, ocher yellow, green and ultrablue, as full colors and mixtures according to AGLAIA Color Chart. All colors can be mixed with each other according to taste.

Drying:

Under normal conditions, dustfree dry after 8 hours, touch dry and safe to coat after 24 to 36 hours. Thick layers, low temperatures and high air humidity delay drying. Therefore, ensure proper ventilation and heat while drying. Handle with care until completely dry.

Yield:

On planed conifer wood: approx. 0.10 l per coat and m².

On rough wood: considerably more.

Available Sizes:

0.125 l, 0.75 l, 3 l and 10 l.

Cleaning:

Clean appliances, tools and clothes immediately after use with AGLAIA BALSAM LACQUER THINNER.

Storage:

Lasts at least 12 months when stored cool and frost free in the airtight sealed original container. Once opened, re-seal container airtight.

Composition:

Full declaration according to the quality standards of the Association for Natural Colors (AGN):

[1]: Dehydrated castor (stand) oil, Citrus peel oil; [2] Wood (stand) oil, Linseed (stand) oil, Talcum, Lipophilic silicic acid; [3] Lecithin, Turkey red oil, Aluminum stearate, Swelling clay, Co/Zr/Ca drying agents.

Plus pigments according to color:

[1] Titanium dioxide, Iron oxide black, Umbra, Iron oxide brown, Iron oxide red, Ultramarine blue, Chrome oxide green, Iron oxide yellow, Nickel-titanium yellow.

Explanation of Symbols

[1] ... Raw material rate in product	> 10 %
[2] ... Raw material rate in product	1-10 %
[3] ... Raw material rate in product	< 1 %

AGLAIA WEATHER PROTECTION LACQUER

Surface and Pretreatment:

General Requirements:

The surface must be clean, solid and coatable. Maximum wood moisture: 15 % for conifer wood, 12 % for hardwood. Thoroughly remove any grease, wax or resin remainders with AGLAIA BALSAM LACQUER THINNER. When hot, resin-rich wood tends to exude resin and can only tolerate coating to a limited extent. Sand down planed wood. Absorbent, dry wood with a good grip is ideal. Check weathered, chalking oil paints and oil glazes for adhesion and sand thoroughly. Completely sand off or strip peeling artificial resin coatings. Carefully sand down previously treated wood and make samples. Grey or spongy wood should be sanded down to the level of the pitting. Also make samples before applying to wood containing a substantial amount of tannic acid, oils or resins in particular oak or tropical woods because of possible discoloration and substances that may delay the drying process. Check joints. Touch up open spaces and flaws to match style and structure.

Priming:

AGLAIA WOOD PRIMER can be used universally on raw wood; as an alternative AGLAIA WOOD IMPREGNATION PRIMER, thinned with water. Always use a prime coat on all raw wood surfaces prior to installation, and to size-consistent components such as windows additionally apply an intermediate coat using AGLAIA PRECOATER. Exterior wood siding should also be coated twice on the backside. Ensure ventilation at rear and full saturation of cross-cut wood.

For preventive wood protection of supporting structures according to DIN 68 800, AGLAIA BORIC SALT IMPREGNATION should be used indoors. Further treatment with AGLAIA WOOD IMPREGNATION PRIMER.

► Wood based materials, Chipboards and Multi-layer panels:

Always make samples as discoloration or incompatibility with adhesive resins (e.g. delayed drying process) cannot be excluded. Observe the panel manufacturer's instructions, especially regarding the use outdoors. Prime using AGLAIA PENETRATING PRIMER.

► Steel:

Thoroughly remove corrosion, then sand and degrease using AGLAIA BALSAM LACQUER THINNER. Prime with AGLAIA CORROSION PROTECTION PAINT, intermediate coating with AGLAIA PRECOATER. Not appropriate for galvanized steel or nonferrous heavy metal.

Maintenance and Aftertreatment:

Wood outdoors requires maintenance. For severe weather conditions, light sanding and coating is needed after 2 to 4 years. Simple building measures (e.g. roof projections, slight tilting of lower window frames, rounded edges) and careful selection of wood (resistance classifications according to EN 350-2) prolong the lifespan of each coat significantly. Woods that are not weather-resistant or are horizontally weathered, mechanically strained, in contact with the ground are not suitable. Information is contained in DIN 68 800 and BFS Information Sheet No. 18 (Federal Committee for Paints and the Protection of Property, membership corporation).

Full-color lacquers are known to weather more and are, therefore, only appropriate for exposed surfaces to a limited extent. Dark coatings on south sides weather faster.

Safety Instructions and Disposal:

► Hazard Class: Flammable (VbF [Flammable Liquids Regulation] A II)!

When applying, keep away from any ignition source, refrain from smoking and ensure proper ventilation.

Cloths soaked in drying plant oils generate a risk of self-ignition. Therefore, always store in closed, airtight metal containers. Chemically sensitive and environmentally ill persons, please pay attention to the full declaration. Keep out of reach of children. Do not dispose of organic coatings into the sewage system. Disposal of product remainders according to legal regulations. Disposal of empty containers through resource collection points.

► Waste Code: Product and Product Remainders (European Waste Code): 080199 (Coatings).

It is our objective to provide, through this technical information, advice based on our skills and practical experience. Any instructions given are non-binding and do not release the user from his or her liability to check for product suitability and application methods him/herself with regard to the surface used. Technical modifications may result from product development. Upon publication of a revised or new version, these instructions will automatically lose their validity. The details contained in the EU Safety Data Sheets in their current form dictate liability for classification in terms of the Hazardous Substances Regulation, disposal etc.