

ARL 307 – Working guideline for coating dimensionally stable construction elements

Windows & front doors

Coating system Efficiency

Contents

1	Basics	1
2	Guarantee coating systems	1
2.1	For Spruce, Fir, Douglas and Hemlock	2
3	Colour shades	2
4	Maintenance	2

1 Basics

This objective working guideline describes the wood species and coating systems covered by the Efficiency guarantee and must be observed in addition to the corresponding guarantee folder. Construction and indications for processing as well as general information such as wood quality can be found in the **ARL 300 - Working guideline for coating dimensionally stable and limited dimensionally stable construction elements - General part**.

All ADLER products must be processed in accordance with the technical data sheets and the General Terms and Conditions of ADLER-Werk Lackfabrik Johann Berghofer GmbH & Co KG must be observed. All relevant standards or guidelines for construction and storage must also be taken into account for windows. Compliance with the construction monitoring obligation as well as the proper assembly of wooden windows and doors according to the state of the art and measures intended for protection during the construction phase must be ensured.

2 Guarantee coating systems

The listed coating systems are only valid in combination with the wood species Spruce, Fir, Douglas and Hemlock.

V-joints must be treated with ADLER V-Fugensiegel 55630 f and end-grain wood areas with ADLER Hirnholzversiegelung 55621 f. For front doors, a final treatment with Aquawood Protect 53215 in 2-component application (for higher mechanical and chemical resistance) or the use of the Protor coating system for front doors (see **ARL 305 - Working guideline for coating dimensionally stable and limited dimensionally stable construction elements – Coating front doors and garage doors with Aquawood Protor**) is required.

02-21 (supersedes 03-20)

ADLER-Werk Lackfabrik, A-6130 Schwaz
Fon: 0043/5242/6922-190, Fax: 0043/5242/6922-309, email: technical-support@adler-lacke.com

Our instructions for use are based on knowledge available currently and shall guide the purchaser / user to the best of one's knowledge, but must be clarified for the areas of application and processing conditions on a case-to-case basis. The buyer/user takes responsibility for the suitability and use of the delivered product. It is therefore recommended to produce a sample specimen for testing the suitability of the product. Otherwise our General Terms of Sale apply. All previous specifications become invalid with this edition. Packaging sizes, colors and available gloss values are subject to change.

2.1 For Spruce, Fir, Douglas and Hemlock

TRANSPARENT		Application
Graduated sanding up to at least grit size 120		
1. Impregnation	1x Aquawood Primo A3 5453 - A6 5456	Immersion or flow-coating
Intermediate sanding, grain size 220 – 240		
2. Finishing coat	1 x Aquawood Finatop 40 5140or	Spraying

OPAQUE		Application
Graduated sanding up to at least grit size 120		
1. Impregnation	1 x Aquawood Primo A2 5452	Immersion or flow-coating
Intermediate sanding, grit size 220 – 240		
2. Finishing coat	1 x Aquawood Covatop XT 20 5020	Spraying

Please observe the relative technical data sheets of the products.

3 Colour shades

Colour shade changes of transparent coating systems on wood during weathering are fundamentally unavoidable, but should not be disturbing (assessment analogous to VFF Merkblatt HO.05: 2009-05). For softwoods, only medium and dark impregnation colours from oak medium and for hardwoods from chestnut or darker should be used. The lightest colour shade to be used for the finishing coat is F015.

Colour tone combinations can be taken from the current ADLER window colour charts.

For the opaque colour shades there are no restrictions for RAL and NCS colour shades. Effect and metallic colour shades are generally excluded from the guarantees. The use of an antiheat pigmentation leads to a significantly reduced temperature on the surface in direct sunlight (depending on the colour shade approx. 10 °C – 20 °C). This leads to an increased durability (reduced thermomechanical stress) and significantly lower resin flow in woods rich in resins such as pine or larch. Colour shades with anti-heat finish are available from the factory.

4 Maintenance

Annual cleaning with ADLER Top-Cleaner 51696 and maintenance with ADLER Top-Care 7227000210 (in the kit ADLER Windoor Care-Set 7229) is required.