

AMOLIS

Water-based acrylic paint

3045-a. August 2018

Description

Product: AMOLIS is a water-based, acrylic resin covering topcoat for protecting and decorating wood, with good blocking resistance.

Applications: for wood without and with partial dimensional stability located indoors and outdoors, as for example doors, windows, wooden coverings, pergolas, shutters, etc. AMOLIS is also suitable for galvanised sheet metal, mineral surfaces such as plaster, concrete and fibre cement. It should not be used indoors in extremely humid environments such as covered swimming pools and saunas and for flooring in rooms and on terraces.

Certifications: The German Blue Angel environmental label (paints low in hazardous substances, RAL – UZ 12a), issued by "RAL Deutsches Institut für Gütesicherung und Kennzeichnung e.V." (The German RAL Institute for Quality Assurance and Certification) in Sankt Augustin (D). EN 71-3 Toy safety - Migration of certain elements

Protection: AMOLIS protects wood and other surfaces from dirt and atmospheric agents.

Colours: 51 - white, 15 – ivory, 59 – blue, 64 – light ochre, 72 - red, 75 - oxide red, 77 – mid-brown, 79 – dark brown, 84 – light grey, 89 – black, RAL 6005 green and many other colours can be created with the Colormix Tintometric system

Containers: tins from 0.75l – 2.5l ; 10l tins only for 51- white; 1l – 2.5l – 5l – 10l – 20l for colours created using the Colormix Tintometric system

Technical data

Specific weight: approx. 1.1 – 1.3 g/cm³, at +20°C, according to the colour.

Flash point: not applicable.

Viscosity:

40s, DIN cup, 8mm, at +20°C, according to the colour.

Gloss: opaque

Drying time after 2 - 4 hours according to the type of wood, the quantity of paint applied and the atmospheric conditions. In low temperatures and/or high humidity the drying time is prolonged proportionally.

Odour: very weak odour; odourless once dry.

Storage: 3 years in the original closed containers. Store and transport at a cool temperature protected from frost. Close partially used tins carefully. Only store in the original containers and keep out of the reach of children.

How to apply

General: mix AMOLIS well before using. Do not use in temperatures below +10°C (environment, surface or product).

Application systems: brush, roller, spray

Surface preparation: the wood to be treated must be dry and free from dust and grease. Do not apply to wood with a moisture content over 18%. Remove any poorly anchored old paint or varnish. Clean any resinous areas or pockets on the surface with nitro thinner.

Application advice: outdoor wood should be pre-treated with a suitable impregnating protective primer (see the technical specifications and follow the instructions closely).

Wood located in indoor environments does not normally need treating with an impregnating protective primer.

If a solvent-based impregnating protective primer has been chosen, before applying AMOLIS, check that the solvent has completely evaporated and that the binder is perfectly dry.

If using AMOLIS 51 – white or other pale colours as a topcoat for types of wood rich in starch or internal extractive substances, for example oak, hemlock, iroko, red cedar, etc., the surface must be pre-painted with LIGNEX AQUA ISOLIERGRUND in order to reduce the escape of water-soluble substances within the wood. We recommend always doing a test application.

For end-grain wood apply additional coats of AMOLIS to reduce water absorption and the escape of water-soluble substances within the wood.

Recommended treatments:

- New outdoor wood:	1 – 2 Hydrogrund Plus o AQUALIGNEX I colourless 1 x AMOLIS, diluted with 10 - 20% of water, with intermediate sanding down (280 grain), 1 x AMOLIS undiluted
- New indoor wood:	1 x AMOLIS, diluted with 10 - 20% of water, with intermediate sanding down (280 grain), 1 x AMOLIS undiluted
- Restoration of outdoor wood:	Remove any existing paint or varnish that is not well bonded to the surface; clean and sand down the surface to improve adhesion. Then 1 - 2 x AMOLIS. Using two hands of paint 1 x AMOLIS, diluted with 10 - 20% of water, with intermediate sanding down (280 grain), 1 x AMOLIS undiluted.

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- Restoration of indoor wood:	Remove any existing paint or varnish that is not well bonded to the surface; clean and sand down the surface to improve adhesion. Then 1- 2 x AMOLIS, according to the state of the surface and to the degree of finishing required (if using 2 coats, sand down between them, 280 grain). If the wood has been restored as new, follow the instructions for new wood.
- First coat of paint on new plaster:	After careful cleaning of the surface, wash it down thoroughly, then 1 x AMOLIS, diluted with 10 – 20% water 1 – 2 x AMOLIS
- First coat of paint on old plaster, concrete or fibre cement:	After careful cleaning of the surface, 1 x TIEFENGRUND 1 x AMOLIS, diluted with about 10 – 20% water, 1- 2 x AMOLIS.
- Restoration of plaster, concrete or fibre cement:	Remove any existing paint or varnish that is not well bonded to the surface and clean it. Consolidate any pulverised surfaces with a solvent-based insulating primer and wait until the solvent has completely evaporated, then 1 x AMOLIS, diluted with 10 – 20% water, 1 – 2 x AMOLIS. If the previous paint has been completely removed, follow the instructions for new surfaces.
- Metal surfaces (*):	- new galvanised sheet metal: clean thoroughly with an ammonia-based detergent, then 2 x AMOLIS - galvanised sheet metal already exposed to the weather, but without any rust: after thorough cleaning, 2 x AMOLIS. - old galvanised sheet metal already exposed to the weather and with rust: after thorough cleaning, 1-2 x rust-proofing primer specifically for galvanised sheet metal, 2 x AMOLIS. - Iron and steel: after appropriate preparation (cleaning, removing rust): 1-2 x rust-proofing primer, 2 x AMOLIS.

(*) N.B. all aqueous-dispersion-based products are affected by a constant inflow of damp, for example if stagnant water is present. AMOLIS therefore is not suitable for use as a rust-proofing treatment.

We recommend checking the state of outdoor paint regularly, particularly the parts with south-west exposure, and retouch any minor damage immediately.

Yield: 10-12 m²/l per coat

Dilution: AMOLIS is ready to use with a brush or roller. If necessary, dilute with water.

Over-painting: in normal conditions it can be sanded down and over-painted after 4-6 hours.

Tool cleaning: with water and detergent immediately after use. Cleaning residues should be disposed of as prescribed by current regulations.

Special instructions

Even when using products low in hazardous substances, the usual precautions should be taken for working with paint. Always ensure adequate ventilation. Cover electrical switches and cables properly to avoid short circuits.

When cleaning surfaces painted with AMOLIS, do not use alcohol or solvent-based products or those that are acidic or alkaline. Use only water with neutral soap or light, neutral detergents. Do not throw into surface water.

Disposal: only dispose of perfectly clean containers at recycling centres. Do not dispose of as domestic waste but at special waste collection centres, particularly dirty containers and residues of material. European waste catalogue number 08 01 12 (waste paint and varnish). Do not throw the product or its residues into the sewer system, into surface water or onto the soil.

Water hazard class: WGK 1, low hazard to water (self-classification).

VbF classification: not applicable.

ADR/RID: not applicable.

The above instructions are consistent with the most recent information on the development and use of our product. Because we have no control over the onsite use and application of the product, we may only be held liable for the quality of the product as supplied. If in doubt please contact our technical consultancy service.