

DURLIN MACHINE PAINT EXPRESS ML 90

- > quick drying
- > lightfast
- > weatherproof



Product description

Modified alkyd resin lacquer, impact and scratchproof, lightfast, quick drying, weatherproof universal synthetic resin lacquer. Original set to high gloss, also available in silk-matt via matting additive. The main application area is the metal-processing industry such as machine and vehicle construction. Small parts in series production, agricultural machines, iron construction etc.

Delivery format:

Container	Outer packaging	Pallet
5 KG / BLE		48

Storage:

Can be stored frost-free, cool and dry on wooden shelves in unopened original container: 365 days

Processing

Recommended tools:

Roller, brush, airless sprayer.

Clean tools after use with cellulose thinner (e.g. cellulose thinner Oxylin AF 200).

Processing:

Processing takes place by painting or spraying. All colours can be mixed with one another in any ratio. Topcoat 1 - 2x DURLIN Express Machine paint. For areas under heavy strain as regards corrosion, a 3-4 layer construction should be implemented (dry film thickness min. 150 - 200 μ).

Small area objects can be painted using the carding process. DURLIN Express Maschinen paint can also be applied in airless process and is also suited for hot water lines and radiators up to 80 °C. For electrostatic spray application, a special setting is required.

Technical data

Dilution

DURLIN Synthetic Resin Spray Thinner SV 100, DURLIN Cellulose Thinner Oxylin AF 200, DURLIN synthetic resin Thinner TE 300

Chemical base

modified alkyd resin

Flashpoint

above +21 °C

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Colour and Coating System

Viscosity	140 - 180 sec DIN 53211 4 mm
Consumption	approx. 100 - 150 ml/m ² per coat
Drying time	At 20 °C dust-free after approx. 30 - 45 min., dry to touch after approx. 2 hrs., fully dried after approx. 12 hrs. At 80 °C forced dustfree after approx. 15 min., dry to touch after approx. 30 min., fully dried after approx. 1 hr.
Pigment-based	Titanium dioxide and lightfast coloured pigments
Spec. weight	1.10 - 1.30 g/cm ³ , depending on colour

Substrate

Suitable substrates:

The substrate must be dry, frost-free, solid, weight-bearing, dimensionally stable, free of dust, dirt, oil, grease, release agents and loose parts, and it must comply with the applicable technical national and European directives, standards and "generally accepted rules of the trade".

Rust and loose paint residues on metallic substrates are properly removed before application.

Loose paint residues on wooden substrates are removed mechanically. Greyed and weathered wooden surfaces are pre-treated down to the weight-bearing wooden substrate.

For a perfect system

System products:

Durlin Rust Protection Primer Alupren LV 10, Durlin Quick Primer LV 20, Durlin Allgrund LV 30, Durlin Synthetic resin Basic Colour LV 40

Description:

Durlin Rust Protection Primer Alupren LV10 for rust protection priming. Durlin Quick Primer LV20 as quick drying rust protection primer. Durlin Allgrund LV30 as quick drying universal primer with rust protection pigments for iron, steel, galvanised surfaces, aluminium, copper, hard PVC and wood. Durlin synthetic resin Basic Colour LV40 as universal primer for wood and metal.

Product and processing instructions

Material information:

- If processing outside the ideal temperature and/or humidity range the material properties could change markedly.
- Bring the materials to the proper temperature before processing!
- In order to maintain the product properties, do not add any foreign materials!
- Water dosing quantities or dilution information must be strictly adhered to!
- Carefully open the container, remove possible dry parts and shake the product well!
- Water-based systems have only a limited shelf life after dilution with water, which is why quick processing is recommended.
- We basically recommend carrying out an intermediate sanding between the individual applications.

Environmental information:

- The ideal temperature range for the material, substrate and air is + 15 °C to + 25 °C.
- The ideal relative humidity range is 40% to 60%.
- Increased air humidity and/or lower temperatures may prolong the drying, setting and hardening time, while lower air humidity and/or higher temperatures will speed it up.
- Ensure adequate ventilation during the drying, reaction and hardening phase; avoid draughts!
- Protect against direct sunlight, wind and weather!
- Protect adjacent components!
- Do not process at temperatures below 5 °C.

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Colour and Coating System

Tips:

- We recommend using a test surface first or a small area for initial, small-scale testing.
- Please heed the product data sheets of all MUREXIN products used in the process.
- Keep a genuine original container of the respective batch for later repair work.
- In principle, use colourless, transparent paints in UV-protected areas only.
- Observe the odours caused by solvent-based systems.
- Check material compatibility with substrates containing plasticisers.
- Watch out for dark yellowing of alkyd-based systems.
- For dimensionally stable components, observe the block resistance of the coating.

The information provided reflects average values that were obtained under laboratory conditions. Due to the use of natural raw materials, the indicated values of individual deliveries may vary slightly without impacting the product suitability.

Safety instructions

Limiting and monitoring exposure:

Personal protective equipment:

General protection and hygiene measures:

- Do not eat and drink while working.
- Common safety measures for handling chemicals are to be observed.
- Keep away from foodstuffs, beverages and feedstuffs.
- Take off contaminated, impregnated clothing immediately.
- Wash your hands before taking breaks and when finishing work.

Breathing protection: not required.

Hand protection: protective gloves.

Glove material

- Use gloves made from stable materials (e.g. nitrile).
- The selection of a suitable glove depends not only on the material, but also on other quality properties, which may vary from manufacturer to manufacturer.

Penetration time of the glove material

- The precise penetration time is to be found out from the protective glove manufacturer and complied with.

Eye protection: Protective goggles recommended when decanting.

Body protection: protective clothing.

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Please observe the current, technical, national and European standards, guidelines and data sheets regarding materials, substrates and the subsequent construction. Please contact us if you have any reservations or doubt. This version is rendered invalid if a new version is released. The most recent data sheets, safety data sheets and the terms and conditions are available online at www.murexin.com.