

ACQUAPUR ACR

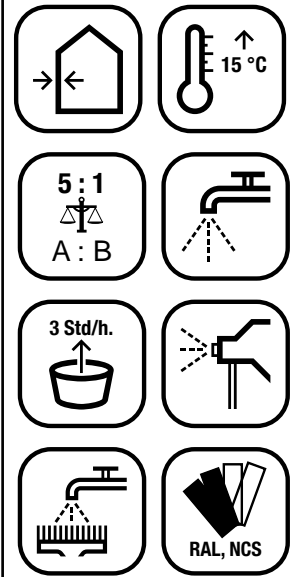
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2K-finishing enamel gloss

VFL
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Properties	ACQUAPUR ACR 2K-finishing enamel gloss is a water-dilutable top coat based on polyurethane resin for exterior and interior use. ACQUAPUR ACR stands out in particular Very high surface hardness and very good scratch resistance. Good resistance to diluted chemicals, hand perspiration, coolant up to 50 °C, cleaning agents, hydraulic oils, etc. A very good colour and gloss retention.
Field of application	Machine industry, steel and metal construction, vehicle construction, apparatus engineering – for environmentally friendly painting applications.
Pretreatment	The substrate must be free of oil and grease. Pre-treat untreated substrates according to the system structure.
Processing	<p>A minimum temperature of $\geq +15$ °C and a maximum air humidity of 80 % must be observed. The dew point must be observed.</p> <ul style="list-style-type: none">– The hardener must be mixed very well into the paint before diluting with cold water (warm water shortens the working time).– Water hardness not exceeding 15° German hardness (8,4 fH). Excessive water hardness affects the condensation water load capacity and corrosion protection.– Material that is sprayed on at the end of the pot life shows a lower gloss level.
System structure	<p>Direct adhesion to light metal, iron, zinccor, wood, wood-based materials, mineral building materials (e.g. Eternit) and certain plastics.</p> <p>For indoor or outdoor use when exposed to moisture: 1 x priming with ACQUAFERROTOL 1K-micaceous silk matt / ADHERIT 1K-phosphate primer / ECLON EP 2K-phosphate primer / ECLON PUR 2K-phosphate primer / ECLON PUR 2K-primer and spray filler / COROZINC 1K-FH zinc dust primer / COROZINC M 1K-FH zinc dust primer /</p> <p>2 x ACQUAPUR ACR 2K-finishing enamel gloss in the desired shade</p>
Drying	<p>At 20 °C substrate temperature: 60 µm (dry film thickness)</p> <ul style="list-style-type: none">◆ Dust dry after about 45 minutes◆ Tack-free after about 90 minutes◆ Firm to the touch after approx. 4 hours <p>Drying can be accelerated after a flash-off time of about 20 minutes at elevated temperature (30–60 minutes at 60–80 °C).</p>
Dilution	Dilute ACQUAPUR ACR with 10–20 % water.
Extensiveness	<p>Theoretically bei 60 µm 148g per m² / Practical: Factor 2.0-2.4 depending on object geometry</p> <p>The information on practical consumption corresponds to an average value. Practical consumption can vary greatly, depending on the object geometry and the method of application.</p>
Mixing ratio	Hardener A-2286 for 2K-ACQUAPUR ACR 5 parts by weight component A and 1 part by weight component B (5 : 1).



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Pot life	After mixing the A and B components, ACQUAPUR ACR can be processed for about 3 hours at 20 °C.
Application	Airless spraying
Cleaning	Clean tools in wet condition with water and in dry condition with ECLASOLV 12443 cleaning diluent or Acquareiniger.
Delivery form	Packages (including hardener) of 15, 9,6 and 4,8 kg.
Shelf life	ACQUAPUR ACR can be stored for at least 12 months in the well closed original container. Storage beyond this specified period does not necessarily mean that the goods are unusable. However, for quality assurance reasons, it is essential to check the required property values. The hardener can be stored for at least 12 months in well-sealed original containers. Storage beyond this specified period does not necessarily mean that the goods are unusable. However, for quality assurance reasons, it is essential to check the required property values. Store in a cool but frost-free place.
Viscosity	Thixotrope
Density	Components A + B: $1,28 \pm 0,05 \text{ g/cm}^3$ (depending on colour)
Solid content	Components A + B: Weight $62 \pm 2 \%$ / Volume $52 \pm 2 \%$ (white)
Binder base	Aliphatic acrylic polyurethane
Solvents	Water, solvent naphta, esters
Pigment base	Inorganic and organic pigments, fillers.
Gloss level	Gloss
Colours	According to colour chart RAL, NCS or according to template.
Registration	Components A: CPID 558368 Components B: Hardener A-2286 for 2K-ACQUAPUR ACR CPID 582921
Classification	For information on chemical properties and hazards as well as regulations regarding transport, processing, storage, disposal, etc., please refer to the safety data sheet.
Note	<p><i>The specified solid value, density and coverage may vary depending on the color shade.</i> Calculation basis: Color shade white</p> <p>This leaflet is only intended as a reference and non-binding advice. The processing must be adapted to the corresponding conditions. In special cases we recommend to contact our technical service. However, all data and information on the suitability and application of the delivered products do not exempt the processor from carrying out his own tests and trials. A claim for damages for omitted, incomplete or incorrect information is excluded. This applies in particular if hardeners and other products are used in the paint build-up system.</p> <p>Furthermore, we refer to our General Terms and Conditions (GTC) on our homepage.</p>