

REDOX PUR FINISH HIGH GLOSS

Extreme weather resistance, long-lasting
gloss retention

High Gloss, non-yellowing two-component aliphatic polyurethane paint

Main Properties

Extreme weather resistance
Perfect flow
Extreme protection for various substrates
Can be used as a one-pot system on various substrates like old alkyds, PVC, Plastisol, Trespa, ...
Excellent resistance against corrosion
Good colour and gloss retention
Easy to apply
Excellent impact and abrasion resistance
Good mechanical and chemical resistance
Can be tinted via the colour mixing machine (Acotint) in almost all colours
High gloss (> 80 GU@20°; > 90 GU@60°)
Non-yellowing

Application

Substrates

As chemical, impact and abrasion resistant, non-yellowing, high gloss, finishing paint in polyurethane and/or epoxy systems. For interior and exterior.
Can be used as one-pot system on various substrates, like two component coatings (epoxy or polyurethane), old alkyd coats, Plastisol, PVC, Trespa, ...
Can be used as intermediate and top coat on all ferro and non-ferro substrates like steel, galvanised steel, aluminium, ...

Tools

Brush, roller

Technical properties

These data relate to the colour: white

Density

1,2 kg/dm³ (mixed product)

Binder

Acrylic Aliphatic polyurethane

Gloss

High Gloss (> 80 GU@20°; > 90 GU@60°)

Solids content

75 – 80 by vol % (mixed product)

EU VOC value

EU limit value for this product (cat A:j): 500 g/l (2010).
This product contains maximum 300 g/l VOC.

Colours

Available in white and almost all colours of the fan '5051 Color Concept' + in almost all RAL colours

Assortment

3 bases: W05 and N00 in 1 and 5 L. M15 only in 1 L.

Pot life at 20°C

2 h

Open time

6 minutes

Redox Pur Finish High Gloss

Heat resistance	Max. 120°C (dry load)
Recommended dry film thickness/coat	Dry film thickness 50-65 µm = wet: 60-80 µm. The film thickness is depending on the application method and conditions, the object shape and the roughness of the substrate.
Flow	perfect flow
Adhesion	excellent adhesion to various substrates
Mechanical resistance	very high. Improved impact resistance
Chemical resistance	Excellent chemical resistance to household chemicals, diluted acids and bases. Solvents that evaporate very quickly (such as acetone, MEK, ethylacetate, etc.) may cause discolouration or swelling.
Outdoor durability	excellent
Resistance against yellowing	non-yellowing
Texture	smooth
Coverage	± 14-16m ² /l/coat. The coverage depends on the application method and roughness, structure and porosity of the substrate. Practical coverage to be determined through a test surface.

Application properties

Application temperature	Temperature of the environment: 5 – 30°C. Temperature of the substrate: 5 – 30 °C. Paint temperature: 10 – 30°C. Relative humidity: maximum 85%.
Tools	Brush, roller
Application method	Brush and roller: ready for use. May be slightly diluted with M600.
Drying time at 20°C/60% R.H.	Dust-free: after approx. 2-3 hour. Tackfree after 8 hours Recoatable: after approx.. 16 hours Chemically cured: after 7 days.
Cleaning of tools/dilution	M600 The product is ready for use. Can be slightly diluted with M600
Mixing ratio	Comp A/Comp B: 60/40 parts by volume
Recoatable	by preference only to be recoated with Redox Pur Finish High Gloss or Satin.

Systems

Preparation substrates	Steel As per the Swedish standard SIS 05-5900-1967, Sa 2,5 PVC, Plastisol, Aluminium, ... Clean, degrease (with M600), and sand slightly before painting
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Priming coat

Ferro metal: apply a first and eventually a second coat of **Redox BL Forte**

Non-ferro metal: apply a priming coat of **Redox BL Forte** diluted 3 – 5% by water

For a smooth finish, dilute each coat 3-5% by water

PVC, plastisol:

Redox Pur Finish High Gloss can be used as one-pot system

Finish

2 coats of **REDOX PUR FINISH HIGH GLOSS**

Remarks

During application and drying, the temperature of the treated object has to be at least 3°C above dew point.

During application and drying ensure adequate ventilation.

The applied paint system cannot be exposed to any (chemical) products until proper curing. In general this takes 7 days at 20°C or such shorter or longer as the temperature is higher or lower.

Redox Pur Finish Gloss is only recoatable with itself and with Redox Pur Finish Satin.

Safety and Legislation

Flash point

45°C

Safety sheet

for more info and most recent safety data info, please see the safety datasheet.

Material data

Shelf life

Minimum 24 months when stored indoors in unopened packaging and in a cool and frost-free place (5-30°C).

Packaging

3 bases W05, M15 and N00. W05 and N00 in 1 and 5 L. M15 in 1 L only.

Colours

Available in white and almost all colours of the fan '5051 Color Concept' + in almost all RAL colours.

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The effectiveness of our product and systems is based on years of practical experience and research in our laboratories. We guarantee that the quality of the work on which our products are used meets the qualifications (Akzo Nobel Decorative Coatings bv) has promised, provided that all instructions given by us are correctly followed and the work has been carried out according to good craftsmanship. In case the end result has been influenced negatively by circumstances beyond our control, any and all liability are expressly excluded and disclaimed. Purchaser needs to check whether the delivered products are fit for the intended use. As soon as a new version of this (technical data sheet) is available, this one will no longer be valid.