

Redox EP Multi Primer

Two-component, rust inhibiting primer based on epoxy resins.

General

Main Properties

Recoat with products based on epoxy-, polyurethane- and alkyd resin.

Anti-corrosive paint.

Only for exterior use.

Use

Rust inhibiting primer for blasted steel, galvanized steel, aluminium and hand prepared steel. Finish with a alkyd resin system as Redox AK Primer is applied as an intermediate layer.

Application information

Application temperature

Temperature of the environment: 10 – 35°C.

Temperature of the substrate: 10 - 40°C.

Paint temperature: 15 – 30°C.

Relative humidity: maximum 85%.

The temperature of the substrate should at least be 3°C in order to prevent condensation.

Never apply paint under adverse weather conditions. In confined spaces, constant purging of the air during application and drying is necessary to eliminate solvent vapours for reasons of health and safety as well as to assist evaporation.

The quantity of dilution to be added is depending on the application temperature and the application conditions. Do not add dilution before mixing.

The indicated quantities are applicable at 20°C.

When temperatures differ, other mixing rates are applicable.

Application methods

Brush, roller, airless spray or conventional spray.

Dilution

0 – 5 vol. % Redox 0256 for application by brush/roller.

Mixing rate

Component A: 85 parts by volume = 90 parts by weight

Component B: 15 parts by volume = 10 parts by weight.

Spraying specifications

Airless spray

Opening: 0,33 – 0,38 mm

Pressure: 140 – 160 bar

Type of dilution: Redox 0256

Dilution quantity: 0 - 10 vol. %

Cleaning of tools

Tools can be cleaned with above mentioned dilution.

Pot life at 20 °C

8 hours (20 L packaging)

Theoretical coverage

9,6 m²/l at a dry film thickness of 50 µm

Practical coverage

The practical coverage mainly depends on the surface condition, the method and conditions of application.

Recommended film thickness per coat

Airless: wet: 100 µm = dry: 50 µm

Brush and roller: wet: 100 µm = dry: 50 µm

The indicated film thickness is the thickness applied on large areas. The film thickness is depending on the temperature, ventilation, quantity of dilution, nature of the substrate...

Drying time at 10°C/60% R.H./100 µm.

Dust-free: after approx. 10 min.

Tack free: 6 hours

Exposure to traffic: after approx. 14 days.

Recoat with: after 12 hours.

Drying time at 20°C/60% R.H./100 µm. Dust-free: after approx. 10 min.

Redox EP Multi Primer

Properties

Density
Solids content
Volatile organic substances
Gloss level
Heat resistance
Shelf life

Tack-free: after 6 hours
Exposure to traffic: after approx. 7 days.
Recoat: after approx. 8 hours.

Approx. 1,42 kg/dm³ (mixed product).
Approx. 48 % by volume (mixed product).
458 g/l (mixed product).
Matt.
Max. 120°C in dry environment.
At least 12 months in unopened packing when stored indoors at a temperature between 5-30°C.

Additional information

Colours

RAL 3009, RAL 7042, RAL 9001.

Systems

Steel

Generalities

Preparation of new steel.

Remove grease, oil,... Blast clean to a surface finish conforming to ISO 8501-1, grade Sa 2 ½.

Preparation of new aluminium and thermic hot-dip galvanized steel

Remove grease, oil...

Blast (wave) with a fine, non-metallic, dry blast medium and reduced pressure to a equal matt surface. (hot-dip galvanized steel: blast conforming NEN 5254).

Preparation of the substrate for repair

Remove oil, grease, ...

Any mechanical damage caused by transport or assemblage, welds or untreated weld seams must be derusted with rotating wire brushes, sanding disks, hand wire brushes and coarse sandpaper conforming to ISO 8501-1, grade St 3.

If this pretreatment is not possible

Remove oil, grease...

Clean with (rotating) plastic brushes or disks.

Preparation of the substrate for maintenance

Remove oil, grease,...

Any damaged, loose or cracked paint layers, rust and under-rust must be removed by blasting with a fine, dry blasting medium conforming ISO 8501-1, grade St 2 ½.

If this preparation is not possible:

Remove loose, cracked or damaged paint layers, and (zinc) corrosion products by blasting with a fine, non-metallic blast medium with suitable pressure so that the zinc layer remains as intact as possible.

If this pretreatment is not possible

Remove all loose, cracked or damaged paint layers and (zinc) corrosion products with (rotating) plastic brushes or SCD disks. Clean and degrease all intact paint layers.

EP/PUR system

Primers

Redox EP Multi Primer.

Intermediate coats and finishing coats

Redox EP Multi Primer can be finished with Redox PUR Finish Gloss/Satin.



Redox EP Multi Primer

EP/AK system

Primers

Redox EP Multi Primer.

Intermediate coats and finishing coats

Redox EP Multi Primer can be finished with many alkyd finishing paints when Redox AK is used as intermediate coat.

Health and safety information

Please revert to the Safety Data Sheet.

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.