

C3

POLYWED OXIDE PRIMER

HIGH QUALITY ALKYD BASED ANTI-CORROSION PRIMER FOR IRON & STEEL

CURING COMPOUND **OIL BASE**

Oxide Primer C3 is Quick-drying, 1-pack corrosion protection primer, containing zinc phosphate based on synthetic resin combination

USES

Oxide primer C3 is For surfaces and objects, where only manually de-rusting is possible and economical. Suitable as high performance primer for surfaces blast-cleaned to Sa 2 1/2, for stainless steel, aluminium and sweep-blasting galvanized surfaces. Suitable for atmospheric corrosion protection and occasional condensation. As intermediate coat / tie coat on well adhering old coating systems.

ADVANTAGES

- Low solvent content, ecologically harmless
- VOC content < 350 g/l Versatilely overcoatable with 1-pack coatings
- Economical
- High-build
- Fast-drying

PRODUCT INFORMATION

Composition	Alkyd base
Packaging	20L /200 L
Appearance / Colour	Pale liquid
Shelf Life	12 months from date of production
Storage Conditions	Store in unopened, undamaged and sealed original packaging in dry conditions at temperatures between +5 °C and +30 °C. Protect from direct sunlight, heat and moisture.
Density	: 1.6 kg/(at +25 °C)
Solid Content	70-75 % by weight

TECHNICAL INFORMATION

APPLICATION INFORMATION

Temperature resistance	Dry heat up to max. + 80°C
Consumption	Theoretical material-consumption/VOC without loss for medium dry film thickness: Dry film thickness 80 µm Wet film thickness 130 µm Consumption ~0.215 kg/m ² VOC ~46.9 g/m ²
Thinner	If necessary max. 2 % Polywed thinner may be added to adapt the viscosity
Overcoating	Between priming coats: After drying stage 6 is achieved. Between Oxide primer C3 Rapid and 1-pack top coats: Min. 1 day at + 20°C
Drying Time	Final drying time Depending on film thickness, temperature and ventilation full hardness is achieved within several days. Depending on local conditions full curing with top coat is achieved within 1 - 2 weeks.



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APPLICATION INSTRUCTION

SUBSTRATE QUALITY / PRE-TREATMENT

Fresh Concrete:

Prepare surface by wire brush, trowel, power tool to surface preparation.

Steel:

Blast-cleaning to Sa 2 ½ according to ISO 12944-4. Galvanized surfaces: Sweep-blasting to a uniform rough, grey surface is achieved.

Stainless Steel and Aluminium:

The substrate must be free from dirt, oil, grease and corrosion products.

MIXING

Oxide primer C3 Rapid is supplied ready for use. Stir thoroughly prior to application.

APPLICATION

The method of application has a major effect on achieving uniform thickness and appearance. Spray application will give the best results. The indicated dry film thickness is easily achieved by airless spray.

Adding solvents reduces the sag resistance and the dry film thickness. In case of application by roller or brush, additional applications may become necessary to achieve the required coating thickness, depending on type of construction, site conditions, colour shade etc. Prior to major coating operations a test application on site may be useful to ensure the selected application method will provide the requested results.

By brush and roller: As a good wetting and penetration into the substrate is essential for the efficiency of the priming coat, the best result is achieved by using a distemper brush or similar • Dry film thickness per application 40 - 60 µm by brush application

CLEANING OF TOOLS

Clean all tools and application equipment with clean water immediately after use. Hardened / cured material can only be removed mechanically.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

HEALTH AND SAFETY INFORMATION

For information and advice on the safe handling storage and disposal of chemical products, users shall refer to the most recent MSDS containing all the details.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application.



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