



PRODUCT INFORMATION

COROFLAKE N PRIMER

PRODUCT DESCRIPTION

COROFLAKE N PRIMER is a two-component, low-viscosity primer based on a Bisphenol-A vinyl ester resin that protects blasted surfaces from rust formation and corrosion creep. **COROFLAKE N PRIMER** sustainably hardens concrete surfaces and improves the adhesive tensile strength for subsequent coatings.

FIELDS OF APPLICATION

COROFLAKE N PRIMER is used as a primer on properly pre-treated steel and concrete surfaces for coatings based on polyester and vinyl ester resins.

FEATURES

- Easy to apply
- Very good adhesion to concrete and steel
- Application by rolling, brushing or airless-spraying

SUBSTRATE

Substrates are components made of non-ferrous metals, cast materials, unalloyed or austenitic steel, concrete, screed or plaster. The components must be designed and manufactured in accordance with EN 14879-1. The substrate must remain dry during application.

SURFACE PRE-TREATMENT

STEEL

EN14879-1 and the TIP TOP specification "Corrosion protection of metallic components" must be observed. Unalloyed steel must be blasted to "Near White Metal" in accordance with EN ISO 12944-4. A surface preparation degree of SA 2½ according EN ISO 8501-1 and a roughness degree "Medium (G)" according EN ISO 8503-2 must be achieved. A minimum roughness depth of $Rz \geq 70 \mu\text{m}$ is required. After blasting, the formation of new rust should be prevented by suitable measures (e.g. priming).

CONCRETE | SCREED

EN 14879-1 and the TIP TOP specification "Requirements for concrete structures and cementitious substrates" must be observed. The substrate must be prepared by suitable measures so that it is dry, free of cement slurries, cement skin, loose and friable parts, structural defects and substances with a separating effect. The residual moisture of cementitious substrates must not exceed 4%.

CLIMATIC CONDITIONS

During application, direct or indirect sunlight must be avoided and the climatic conditions specified in the application instruction must be observed. To avoid condensation, a dew point difference of at least 3K must be maintained. During application, the materials must never be colder than the ambient temperature at the workplace.

MIXING RATIO

The primer materials are delivered to the construction site in mixing units so that there is no need to weigh or measure the individual components. After mixing a unit, it must be applied within the specified pot life.

Primer	Weight parts	Volume parts
COROFLAKE N PRIMER	100	100
HARDENER No. 1 CLEAR	2	2

APPLICATION METHOD | CONSUMPTION

Always observe the current application instruction before using the products. During priming work, direct or indirect sunlight must be avoided absolutely. The primer must be applied in a covering layer. The subsequent coating work can be carried out after the primer has hardened, according to the times in the "Recoat Time" table.

Product	Application	Thickness	Consumption
COROFLAKE N PRIMER	Roll / brush / airless spray	covering	ca. 300 g/m ² (concrete)
COROFLAKE N PRIMER	Roll / brush / airless spray	covering	ca. 150 g/m ² (steel)

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The consumption indicated is an average value. The actual consumption depends on the object geometry and the application method. It can therefore vary.

POT LIFE | RECOAT TIME

Product	Working time			Recoat time (20°C)	
	15°C	20°C	30°C	Min.	Max.
COROFLAKE N PRIMER	60 min	40 min	20 min	8 h	14 d

CLEANING

All equipment should be cleaned with **SOLVENT T-200** immediately after use. The equipment should be cleaned in a well-ventilated area. It is recommended to flush the spraying equipment several times during the working day. The frequency of cleaning depends on the spray volume, temperature and elapsed time, including possible delays.

DELIVERY FORM | MINIMUM SHELF LIFE

Product	Packaging	Article No.	Storage temperature	Min. shelf life
COROFLAKE N PRIMER	5 kg	590 0480	≤ +10°C ≤ +20°C	9 Mon 6 Mon
COROFLAKE N PRIMER	20 kg	590 0040	≤ +10°C ≤ +20°C	9 Mon 6 Mon
HARDENER No. 1 CLEAR	0.1 kg	590 0181	5 - 20°C	12 Mon
HARDENER No. 1 CLEAR	0.4 kg	590 0019	5 - 20°C	12 Mon
SOLVENT T-200	4 kg	590 0610	5 - 25°C	60 Mon
SOLVENT T-200	8 kg	590 0611	5 - 25°C	60 Mon

SAFETY MEASURES

The safety data sheets for the individual components and the legal regulations for handling hazardous substances must be observed. The prescribed personal protective equipment must be worn. Information on disposal can be found in the safety data sheets for the individual products. The safety data sheets can be downloaded from our homepage in the download area.

PHYSICAL DATA

Properties	Standard	Unit	Value
Adhesive strength concrete	EN ISO 4624 (ASTM D7234)	N/mm ²	1.5*
Adhesive strength steel	EN ISO 4624 (ASTM D4541)	N/mm ²	≥ 7
Density (mixture)	EN ISO 2811 (ASTM D1475)	g/cm ³	1.04 ± 0.04
Polymer base	-	-	Vinyl ester

The specified temperatures depend on the existing load and can therefore vary.

* Depending on the concrete strength

Information given in the fact sheet above corresponds to the current knowledge available to us regarding our products at the time of its drafting and is intended as a guideline for informational purposes. However, because of the multiple possibilities regarding possible applications, processing and on site conditions, any information given in the fact sheet above is not legally binding, in particular, without being limited to, such information shall not be interpreted as a warranty of merchantability or of fitness for a particular purpose. Customer therefore is advised to conduct its own testing or make an inquiry with our technical department before ordering. We reserve the right to change the product at any time, in particular, without being limited to, minor changes because of advancements in technology. If by way of exception, the information given in the fact sheet above is incorporated by reference into any contract concluded with us under German Law, such information, shall only be interpreted as determining the specific requirements of the contractual products as set out in § 434 BGB (German Civil Code) and shall not be interpreted as constituting a guarantee of condition.