

Kaifinish Base Application guide

Primer for steel and cast bases

- Environmentally compatible without lead and zinc chromates
- Forms a rust-inhibiting protective layer
- Easy processing by brushing/rolling/spraying
- Quick drying
- Corresponds to the specifications of DIN 4140 / AGi Q 151

Type of product

1-component synthetic resin coating material with active corrosion protection pigments.

Application area

Steel construction, machinery, device, container, venting and ventilation systems, cold and hot water lines, air conditioning lines, etc.

Special properties

- Free from substances of particularly high concern (REACH)
- Does not attack existing coats of paint
- Suitable for the following water-dilutable fire protection coatings; suitable for F30/F60/F90
- Use for coating structures purs. to DIN 4140 / AGi Q 151

Processing notes

1. Bases

- All steel and cast bases that are blank or show flash rust
- Parts or structures of iron, steel and cast material
- For non-ferrous-metal bases such as zinc, aluminium, copper, brass, stainless steel and many other surfaces, Kaifinish Primer must be applied first

2. Preparation of the base

- Optimal adhesion and good corrosion protection are achieved when the base is prepared by blasting (e.g. purs. to EN ISO 12944-4 Sa 2 %)
- It must at least be carefully de-rusted (purs. to DIN EN ISO 12944, St 2), clean, dry, free of oil and grease and load-bearing.
- Intact old coats of paint must be thoroughly ground off and cleaned
- The following applies to non-metal bases or very smooth steel and iron bases: The base must be load-bearing, clean, dry, free of grease, oil, separating agents and rust.
- Surfaces subject to strong chemical stress require particularly thorough cleaning, e.g. by thorough grinding off

3. Consumption

The theoretical consumption is approx. 250 g/m²/80 µm dry layer thickness. The practical consumption depends on the surface structure, roughness, component geometry, application medium used, layer thickness exceeding, etc.

4. Application of Kaifinish Base

Stir Kaifinish Base thoroughly before use. Kaifinish Base is suitable for brushing, rolling, spraying (airless or high-pressure). Ideal processing temperatures between +5 and +30 °C, but at least 3 °C above the dew point limit.

When brushing/rolling/spraying, the required layer thickness can be achieved with two–three applications. A drying time of 10 min. minimum should be respected between the applications. Afterwards are further 30 min. minimum

total drying time necessary. Too thick layers delay drying and the run-off behaviour. Complete drying depends on the wet layer thickness and the ambient temperatures.

Processing parameters:

Application	Pressure (bar)	Nozzle (mm)	Diluent addition
Brushing/rolling			undiluted
High pressure	2-5	1,5-2,0	up to +10 % dilution
Airless	100-160	0,23-0,33	undiluted

5. Dilution

Kaifinish Base can be diluted by addition of universal diluent. A maximum addition of 5-7 % must not be exceeded.

6. Compatibility and painting over

To achieve the specifications purs. to AGi Q 151 / DIN 4140, the Kaifinish Base coat must be applied with a Kaifinish Cover top coat. The Kaifinish Cover top coat must be applied no earlier than after a drying time of 30 minutes (20 °C, 65 % rel. humidity).

The target layer thickness is 80 µm purs. to AGi Q 151 / DIN 4140. Note the special Kaifinish specifications per area of use.

7. Cleaning of the work equipment

Devices and tools should be cleaned without delay with universal diluent after completion of the work.

8. Storage stability

Approx. 24 months, dry and cool in closed original packages.

Special notes

When working in basements and shafts, ensure sufficient ventilation. High humidity and low temperatures delay drying and curing. The product is free of silicone.

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