



kailinish[®]

Long-lasting protection

- Systematic corrosion protection
- Fast, easy and safe



kaifinish[®]

Long-lasting protection

Kaifinish is a coating system. It is easy to apply and fast drying. Multiple top coat layers and re-applications can be done quickly and efficiently.

Kaifinish coatings have been tested for compatibility with each other and with the elastomeric insulation products Kaiflex, Kaisound and R-FORCE: They do not affect the properties of these materials when applied correctly. The corrosion protection system is also compatible with Kaiflex special-purpose adhesives.



- Kaifinish Primer
- Kaifinish Base
- Kaifinish Cover

THE NORMATIVE BASICS

for a corrosion protection system under insulation systems of operational systems in the industry and in technical building equipment

Excerpt from DIN 4140:2014-04 / 4.6

For cold insulations, the object must be corrosion-protected if it is made of unalloyed or low-alloyed steel.

Excerpt from AGI Q 151 / 1.1

Corrosion under insulation (CUI according to ASTM G189) is a critical aspect for operational systems. Moist insulation not only reduces the insulating effect, but also leads to strong, invisible and therefore uncontrollable corrosion.

Excerpt from AGI Q 151 / 3.1

In planning and operation, it must be observed that insulation and corrosion protection are two different crafts that are not interchangeable.

When selecting the coating systems, observe that the coatings, adhesives and insulation materials are compatible with each other.

KAIFINISH CORROSION PROTECTION SYSTEM

Developed for the special demands of DIN 4140 and AGI Q 151, and optimally aligned with the Kaiflex insulation system.

Areas of use

Coatings of zinc-plated steel (C steel)/austenitic steels (stainless steel)/copper/steel tubes

Special features

- Very strongly reduced drying time
(fully dried and thus ready for insulation in only 3.5 hours)
- Can be painted over at ideal conditions within 10 min
(65 % rel. humidity / +25 °C ambience temperature)
- Kaimann-typical colouring of the coatings –
faster product identification
- 1 component system– no errors in partial mixtures
- Environmentally compatible by use of special pigments
- Compatible with B42 insulation systems common in the industry (also from other manufacturers)
- Made in Germany

Kaifinish Primer

The **primer** with adhesive effect for DIN-compliant coating of non-ferrous metals such as stainless steel and zinc-plated surfaces (C steel).



Kaifinish Base

The **base coat** is applied to ferrous metals or Kaifinish Primer and therefore forms a DIN-compliant base coat.



Kaifinish Cover

The **top coat** is applied to Kaifinish Base and thus completes the corrosion protection system.

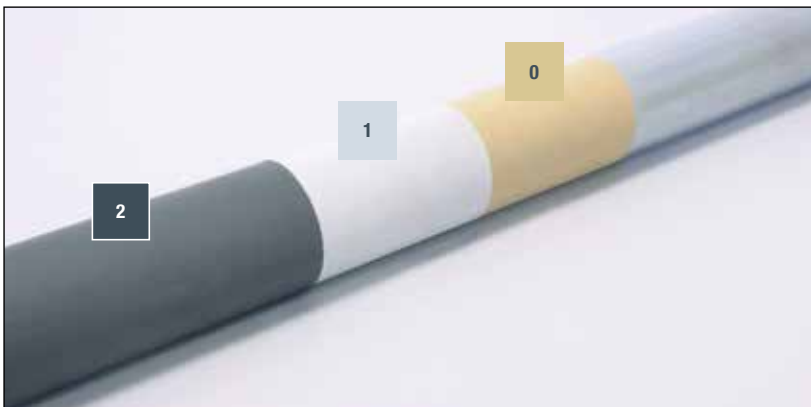


THE APPLICATION / COATING

- 0** Adhesive agent Kaifinish Primer
- 1** Base coat Kaifinish Base
- 2** Top coat Kaifinish Cover



- Existing tube with old coat of paint
- Existing tube corroded
- New tube blasted
- Black tube
- Welding seam and defect repair



- Zinc-plated tubes (C steel)
- Austenitic steels (stainless steel)

Consumption¹⁾ + layer thicknesses acc. to AGI Q 151

0 Adhesive agent Kaifinish Primer

Does not contribute to layer thickness development according to AGI Q 151. At least approx. 104 g/m² at 15 µm dry layer thickness.

1 Base coat Kaifinish Base

At least approx. 240 g/m² at 80 µm dry layer thickness.

2 Top coat Kaifinish Cover

At least approx. 240 g/m² at 80 µm dry layer thickness.

1) Consumption may vary depending on properties of the surfaces to be coated.

Processing reference times (approximates)²⁾

Work process	Work process	Reference values Basis: Manual for the painting craft 95
A	Surface preparation: At least remove rust manually/mechanically until ST2 according to DIN ISO EN 12944, including subsequent dedusting or re-washing with clear water.	8–10 Min/m ²
B	Coating on the base coat with "brush or small rollers" 2-3 x Kaifinish Base	4–5 Min/m ²
C	Coating on the top coat with "brush or small rollers" 2-3 x Kaifinish Cover	6–9 Min/m ²

2) Due to different influences that the coating work will be subject to, it is recommended to adjust the working times to be calculated to the respective object and to use the above reference times as approximates.




Processing temperatures +5 °C to +30 °C · at least +3 °C above the dew point

Air temperature	+6 °C	+8 °C	+10 °C	+12 °C	+14 °C	+16 °C	+18 °C
rel. humidity %	Dew point °C	Dew point °C	Dew point °C	Dew point °C	Dew point °C	Dew point °C	Dew point °C
40	-5,8	-4,2	-1,0	-1,0	+0,6	+2,4	+4,2
50	-3,2	-1,6	0	+1,9	+3,7	+5,6	+7,4
60	-1,0	+0,7	+2,6	+4,5	+6,4	+8,2	+10,1
70	+0,9	+2,9	+4,8	+6,7	+8,6	+10,5	+12,4
80	+2,8	+4,8	+6,7	+8,7	+10,2	+12,5	+14,5
90	+4,5	+6,5	+8,4	+10,4	+12,4	+14,3	+16,3

Air temperature	+20 °C	+22 °C	+24 °C	+26 °C	+28 °C	+30 °C	
rel. humidity %	Dew point °C	Dew point °C	Dew point °C	Dew point °C	Dew point °C	Dew point °C	
40	+6,0	+7,8	+9,4	+11,3	+13,1	+14,9	
50	+9,3	+11,1	+12,9	+14,8	+16,6	+18,4	
60	+12,0	+13,9	+15,8	+17,6	+19,5	+21,4	
70	+14,4	+16,3	+18,2	+20,1	+22,3	+23,9	
80	+16,4	+18,4	+20,3	+22,3	+25,2	+26,2	
90	+18,3	+20,3	+22,2	+24,2	+26,2	+28,2	

THE PRODUCT RANGE

Kaifinish Corrosion protection

	Description	Order No.	Container	kg/ can	Cans/ carton
	Bonding agent				
	Kaifinish Primer (bonding agent)	4004474	Can	2,5	4
	Base coat				
	Kaifinish Base (Corrosion protection base coat)	4004475	Can	3,5	4
	Top coat				
	Kaifinish Cover (Corrosion protection top coat)	4004476	Can	3,5	4

Kaimann services for the system

- Technical leaflets
- Safety data sheet
- Service directories for different applications
- System warranty
- Processor training
- Construction site support and consultation

