

SR Zinc Phosphate Primer 3022

**Material description:**

Economical and quick drying 1-component anti-corrosive primer.

Designated use:

Synthetic-resin primer with high anti-corrosive zinc phosphate content for the protection of steel and cast iron indoors or out. The high penetration ability and the good wetting ensure excellent adhesion to metal surfaces and old coatings.

Binder system:

Quick drying modified alkyd resin / acrylic

Pigment system:

Micronised zinc phosphate and active zinc oxide combined with selected pigments and extenders.

Solid content:

Approx. 66 wt. %
(percentile is dependent on shade)

Flash point:

25° C

Density:

Approx. 1.5 g / cm³ in the mixture
(percentile is dependent on shade)

Temperature resistance:

Up to approx. 120° C (no long-term stress)

Labelling and safety advice:

See safety data sheet

Can size:

2.5l, 5 l, 10 l and 35 kg

Degree of gloss:

Matt

Shades:

Reddish brown, grey-green and white; other shades by arrangement.

Coverage:

Approx. 7.4 m² / l with a resulting dry film thickness of around 40 µm.

Viscosity supplied:

Approx. 110 s DIN 4 mm

Storage:

Store in a cool and dry, yet frost-free, place

Thinning and cleaning agent:

RICKERT SR Thinner 0020

Surface preparation:

The surface must be properly prepared as well as being free from oil, grease and dirt. Mill scale, rust and old coatings should be removed completely by mechanical or chemical means. A result comparable to the standard grade of cleanliness SA 2 ½ (DIN 55928) should be aimed for.

Very smooth surfaces (cold-rolled sheet metal, turned steel surfaces, aluminium, and the like) should be abraded as far as possible and prepared using RICKERT Metal Primer 2091 Rapid.

Galvanised surfaces should be cleaned by steam blasting if need be or passivated with ammoniacal solution by using a corundum plastic pad.

Detailed information is to be found in Information Sheets 5 and 6 of the Federal Committee for Paint and Protecting Agents (BFS).

Application:

Stir thoroughly before use.

a) Brush or roller:

Apply coating undiluted as far as possible.

b) High-pressure spraying:

Dilute coating with SR Thinner 0020 to approx. 25 s / DIN 4 mm and apply with a 1.6-mm nozzle at 3.5 - 4 bar pressure.

c) Airless / Airmix method:

Dilute coating with SR Thinner 0020 to approx. 80 s / DIN 4 mm. The pressure should be approx. 120 to 160 bar and a 0,013" nozzle should be used.

Application conditions:

Object and ambient temperature should be at least 8° C. The relative humidity should not exceed 85%. The optimum application temperature is between 20° and 30° C.

Drying:

Approximate values, determined at 25° C and approx. 40 µm dry coat; deviating values lead to changed drying properties:

	<u>approx. 25° C</u>	<u>approx. 15° C</u>	
dust-dry:	approx. 20 min.	approx. 30 min.	T1
tack-free:	approx. 45 min.	approx. 60 min.	T3
overcoatable:	overnight air drying		

At lower temperatures, a longer drying time should be allowed for.

Forced drying:

Approximate values, determined at 60° C object temperature approx. and approx. 40 µm dry coat; deviating values lead to changed drying properties:

dust-dry:	approx. 15 min.	T1
tack-free:	approx. 30 min.	T3
overcoatable:	overnight air drying	

Cleaning the equipment:

Clean with RICKERT SR Thinner 0020 immediately after use.

The purpose of this data sheet is to advise you. While all details conform to the latest state of the art, we can accept no liability for the results obtained during use, due to the variety of applications and the different substrates involved.

The publication of this data sheet invalidates all previous data sheets for this product.

Status: April 2021