S2000
SYNOREX PRIMER
synthetic anticorrosive primer

Colour shades: Non-standardized shades and quick-drying versions as offered in the valid price list. The shades contain no lead or chromium compounds.

Use:
SYNOREX PRIMER S2000 is a primer providing high corrosion protection for metal objects, both for exterior and interior applications. It is suitable for application under synthetic and epoxy paints (not less than in 24 hours), or nitrocellulose paints (coating in 10 days after seasoning), for example for surface finishing of castings, metal structures, etc. The white C0100 shade is suitable for priming coats of wood and can be sanded. The S2000 primer is suitable for application on products and surfaces that get in indirect contact with consumables, feeding stuffs and drinking water.

Application: By spraying, brushing, by a paintroller or by dipping at a temperature of 15-25 °C on a dry, clean, degreased and derusted surface.
Thinner: S6001 for spraying, S6006 for brushing, application by paintroller and for dipping.

Paint preparation prior to application: Open the container just before use and stir its content thoroughly to avoid any sediment at the bottom. Any skin (which is not a flaw) should be removed carefully. Do not stir too rapidly in order to avoid mixing too much air into the paint. Use up the content as soon as possible after opening the original containers. Any left-over paint should be kept in a sealing container with minimum air space above the paint level.

Recommended application conditions:

- Pre-treatment of the surface - the surface must be dry, clean, degreased and derusted; mechanical cleaning at least to degree 3, optimum anticorrosive characteristics are reached by sandblasting to Sa 2.5.
- The optimum ambient temperature and temperature of the surface is 15–25 °C and must be at least 3 °C above the dew point.
- The minimum temperature is in general 5 ºC
- The maximum relative air humidity is 75 %.
- In summer months, it is recommended to thin the paint to be sprayed with the S6005 thinner (it provides better flow and reduces “misting of sprayed paint”); for winter period, the S6001 thinner is recommended (quicker drying, reduced sagging).
- For application by dipping, the S2000 (its consistence) always has to be adjusted according to real conditions.
- If needed, the individual coats of S2000 can be overcoated by “wet on wet” spraying in approximately 10–60 minutes at the dry film thickness (DFT) of 40 µm.
- The paint is to be applied by cross spraying or in parallel strips to achieve a uniform resulting layer.
- Problematic spots (corners, edges, welds, joints…) should be painted first. Allow these spots to dry slightly and only then apply the paint over the whole treated surface (including the difficult spots already painted).
- If “wet on wet” spraying is not used, it is recommended to apply another layer after 24 hours (at least after 16 hours).
- Recoatability by top paints: synthetic - min. 24 hours

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- The drying time varies depending on climate conditions and coat thickness.
- Coating reaches its final properties after its complete seasoning, which may take approximately as long as 3 days.

Conditions of the application:

By high-pressure spraying

Recommended outflow time from a cup with a nozzle of Ø 4 mm	50–100 s
Jet nozzle pressure	150–300 bar
S6001 thinner addition	0–20 %
Usual layer of one sprayed DFT coat	50–100 µm

By low-pressure spraying

Recommended outflow time from a cup with a nozzle of Ø 4 mm	20–30 s
Air pressure	2.5–4 bar
S6001 thinner addition	10–30 %
Usual layer of one sprayed DFT coat	40–80 µm

Application by brush

Recommended outflow time from a cup with a nozzle of Ø 4 mm	80–130 s
S6006 thinner addition	0–10 %
Usual layer of one coat, DFT	30–50 µm

Application by paint roller

Recommended outflow time from a cup with a nozzle of Ø 4 mm	50–90 s
S6006 thinner addition	10–20 %
Usual layer of one coat, DFT	30–50 µm

It is always a combination of several factors when it is applied by spraying (spraying equipment, working pressure, size and type of used nozzles, temperature during application, consistency of the used paint, etc.). These factors have to be considered with regard to real conditions and the resultant optimum setting of the application equipment must be selected accordingly. For additional information or consultations concerning other methods of application, contact the manufacturer.

An example of the coating process:

**** Coating of metal structures***

1. 1x SYNOREX PRIMER S2000, drying 24 hours
2. 1–2x UNIVERZAL SU2013 or e.g. RADIATOR S2117 at an interval of 24–36 hours

Quality of paint systems is guaranteed by the manufacturer provided that the above coating compositions are used and prescribed application procedures are adhered to.

Properties of the paint:

Outflow time from a cup with a nozzle of Ø 4 mm		120–200 s
Density		1.30–1.50 g/cm^3
Drying	*C0100, C0110, C0840*	*other shades*
against dust	45 minutes maximum	-
degree 2	90 minutes maximum	4 hours maximum
for handling (degree 5)	4 hours maximum	24 hours maximum

Properties of the dry coating: (*after 48 hours from application)*

Gloss	degree 4–5

Theoretical spreading rate: 8.9–9.2 m^2 in one coat with the dry coat thickness of 40 µm from 1 kg of paint, or 12.8–13.3 m^2 from 1 litre of paint depending on its shade.

Packaging: As per the current offer.

Shelf life: At temperatures of 5–25 °C for the duration of the warranty period indicated on the package of the paint.

Disposal: Containers/unused product should be handed over to a person authorised for disposal of wastes or to a hazardous waste collection point established by the local authorities.

Product classification:

Signal word: **Warning**

Hazard statements:

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to the central nervous system, the respiratory tract (inhalation) through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects

For details, see the Safety Data Sheet of this product.

"The user is responsible for correct use of paints or for the composition and correct application of a paint system, i.e. the user must always consider all circumstances – conditions of application and processing that could affect the final quality of surface treatment.
A complaint relating to a colour shade can be acknowledged only under the condition of a previously prepared test coating on a small area, in accordance with the mandatory technological process, which accompanies the complaint. No claims filed after using up the product will be taken into consideration. COLORLAK, a.s. reserves the right to change data in technical and advertising materials without any prior notice."

"The technical recommendations contained in this Catalogue Sheet are given based on our experience and best knowledge of the state of the art in science and practice; they are not binding and they do not constitute any obligations unless expressly defined in the purchase contract."

Marketing, 8/2026

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