U2219
AXAPUR BÁZE
3-in-1, semi-gloss polyurethane two-component single-coat paint

Colour shades: According to customer's requirements – on the Colorlak Tinting System (TSCL) of the DEKOR series, several thousand shades can be prepared from the basic bases and 16 tinting pastes according to the COLORLAK, RAL, EUROTREND, NCS and other colour charts.

Use:
AXAPUR U2219 is used for priming and finishing coats of steel and galvanized steel products, including freshly zinc coated materials, aluminium, titanium-zinc and light metals. In 1 to 3 coats, it simultaneously serves as a high-quality base and semi-matt topcoat. The dry film thickness (DFT) is 40–90 µm, depending on the method of application. It has a wide range of use from painting of habitable and transport containers, pallets, linings and structures of factory buildings, lamp poles, guards of machines and devices to eaves, roofs and window sills. U2219 is characterized by its high mechanical resistance, extraordinary weatherability, fast drying and wide range of application. Based on the results of testing and evaluation, U2219 is suitable for use in the coating of e.g. HVAC units in food processing plants, structures for the storage of packaged foods (e.g. flour, eggs, pasta, etc.) where indirect contact with food is expected.

Application:
Spray, brush or roller (suitable for PUR NH) at a temperature of 15-25 °C, the optimum temperature is 18-23 °C, and relative humidity up to 75 % on a dry, clean, degreased and rust-free metal surface. Light regrinding is also suitable - coarsening of a very smooth surface (particularly at light metals). Commonly 2–3 coats are applied with regard to the method of application and environmental challenges. For common interior environments, 2 coats with a brush are applied (at least 80 µm dry coat in total). For the exterior, it is advisable to achieve a higher protection, i.e. apply 3 coats with a brush (min. 130 µm dry coat).

application method	addition of thinner	usual DFT	number of coats interior // exterior
brush & paint roller	0–10 % of U6002 thinner	30–50 µm	2 // 3
air spraying	10–25 % of U6002 thinner	40–50 µm	2 // 3
airless spraying	0–10 % of U6002 thinner	50–80 µm	1–2 // 2
the U6002 or U6000 thinner is used for spraying, brushing and roller coating			

Thinner: U6002, U6000
Hardening:

Hardener	U7002
Hardening ratio (wt.)	10 : 1
Hardening ratio (vol.)	8 : 1
Pot life at 20 °C (hours)	5

Preparation of the paint before application: Open the container just before use and stir its content thoroughly to avoid any sediment at the bottom. 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:

- Substrate pre-treatment – the substrate must be dry, clean and free from rust and grease, if any. For anti-corrosive coating of steel, mechanical cleaning is required at least to degree 3, optimum anti-corrosive characteristics are reached by sandblasting to Sa 2.5.
- The optimum ambient temperature and temperature of the substrate is 18–25°C and must be at least 3°C above the dew point
- The minimum temperature is generally 15 °C and the maximum relative air humidity is 75%

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- Adhere to the hardening ratio and expect a pot life of about 5 hours at 20 ºC
- Stir hardened paint thoroughly or thin it with U6002 or U6000 thinner; after 10 minutes the mixture is suitable for spraying, brush or roller application
- The pot life of the hardened paint varies with the temperature and the total hardened amount of the paint.
- If needed, the individual coats of U2219 can be overcoated by "wet on wet" spraying after approximately 30–50 minutes at DFT of 40–50 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 already-painted difficult spots).
- If "wet on wet" spraying is not applied, it is recommended to apply another coat of U2219 after at least 20–24 hours
- The drying time varies depending on climate conditions and coat thickness
- The coating reaches its final properties after its complete maturing, which may take up to 7 days.

Spray application is always a combination of several factors (choice of spraying equipment, working pressure, size and type of nozzles, temperature during application, consistency of the paint used, etc.). These factors need to be considered with regard to real conditions and the resulting optimal 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:

1–3x U2219, "wet on wet" at intervals of approx. 30–50 min, or after the first coat has cured after approx. 20–24 hours (by brush)
The quality of the paint system is guaranteed by its manufacturer provided that the above paints are used and the prescribed application procedures are adhered to.

Properties of the paint:

Outflow time from a cup with a nozzle of ∅ 4 mm		80-250 s
Density		approx. 1.25-1.45 g/cm^3
Drying *(drawing in 20 min from hardening)*	against dust (degree 1)	at most 40 minutes
	for handling (degree 5)	at most 20 hours

Dried paint properties: ***(after 7 days from the application)***

Gloss, gloss units [GU] (geometry 60°)	35-45 (semi-matt)

Theoretical spreading rate: 11-13 m^2/l in one coat (50 µm), 5.5–6.5 m^2 from 1 litre in total dry film thickness of 100 µm.

Packaging: According to the current offer

Shelf life: At temperatures of 5–25 °C for the duration of the warranty period stated on the package of the coating material.

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.
H373	May cause damage to the central nervous system 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."

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“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, 10/2026

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