



U2074

AXAPUR BÁZE

Polyurethane gloss top two-pack 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 U2074 is designed for final gloss surface finish of products, for which the emphasis is placed on the high resistance to weather conditions, UV radiation, abrasion, effects of common detergents. It is used for steel structures, bridges, transport vehicles, machine equipment, tanks, etc. U2074 is suitable also for coating in interior environments and for this purpose it was tested in the National Institute of Public Health in Prague. A suitable primer is e.g. U2008 and S2318. AXAPUR U2074 is certified and tested for a variety of applications.

Advantages:

- Approved for direct contact with dry foodstuffs, coating of livestock housing and fencing
- Approved for coating of products for children (according to EN 71-3 + A1:2015)
- Approved for permanent contact with drinking water (storage tanks, fittings), colour RAL 9003 (AXR9003)
- Durable protective film

Application: Applicable by spraying, brushing or roller coating on a properly pretreated metal surface in 1–2 coats at an optimum temperature of 18–25 °C and a relative air humidity of 75%. The min. temperature is 15 °C and must be at least 3 °C above dew point. For common coating systems, a dry coat of U2074 shall be in the total thickness of about 70–80 µm. Stir the paint properly before application. The substrate must be dry, free from impurities, salt residues and oil residues or other grease. The metal must be dry, clean, degreased and derusted (by regrinding, sanding, etc.) and treated with a suitable primer, e.g. U2008 and S2318. If needed, the individual coats of U2074 can be overcoated by “wet on wet” spraying after about 20–50 minutes. When brushing, the second coat of U2074 is to be applied after about 24 hours. When the second coat is applied after more than 24 hours, light regrinding of the previous coat of U2074 is necessary.

application method	addition of thinner	usual DFT	min. recommended total DFT for exteriors	number of usual coats for exteriors
brush & paint roller	0–10%	30–50 µm	70–80 µm	2
air spraying	10–25%	40–50 µm	70–80 µm	2
airless spraying	0–10%	40–60 µm	70–80 µm	1-2
the U6002 or U6000 thinner is used for spraying, brushing or roller coating				

Thinner: U6002, U6000

Hardening:

Hardener	U7002
Hardening ratio (wt.)	8 : 1
Hardening ratio (vol.)	8 : 1
Pot-life at 20 °C (hours)	4

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, preferably until the next day 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:

- the substrate must be dry, clean, free from grease, if any, and treated with a suitable primer
- The optimum ambient temperature and temperature of the substrate is 18–23 °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%
- Adhere to the hardening ratio and expect a pot life of 5 hours at 20 °C
- The pot life of the hardened paint varies with the temperature and the total hardened amount of the paint.
- After hardening and thinning it is necessary to let the mixture stand still for approximately 20 minutes – volatilization of CO₂ and air
- U2074 can be overcoated by “wet on wet” spraying after about 20–50 minutes at DFT of 40 µm.
- If “wet-on-wet” spraying is not applied, it is recommended to apply another coat after 24 hours (test depending on real conditions).
- 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).
- The drying time varies depending on climate conditions and coat thickness
- The coat reaches its final properties after it is completely cured, which means at least 30 days after the last layer is applied, depending on conditions of the drying. This affects the overall useful properties and durability.

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 other information contact the manufacturer.

An example of application:*** Coating of metal construction exposed to weather effects:**

1. 1× S2318 (or U2008), coat thickness 40–50 µm, drying 24 hours
2. 2× U2074 in 24-hour interval, coat thickness 40–50 µm

*** Coating of metal reservoirs and pipes in the interior, less aggressive environment:**

1. 1× S2318 (or U2008), coat thickness 40–50 µm, drying 24 hours
2. 1× U2074, thickness 40–50 µm

Properties of the paint:

Outflow time from a cup with a nozzle of Ø 4 mm	150-250 s
Density	1.15–1.30 g/cm ³
Drying	against dust for common handling
	at most 60 minutes at most 24 hours

Dried paint properties:

Gloss units [GU] (geometry 60°)	at least 80
---------------------------------	-------------

Theoretical spreading rate: 12–13 m² from 1 litre in one coat, 40 µm.

Packaging: According to the current offer

Shelf life: At temperatures of 5–25 °C during the warranty period stated on the package of the paint.

**Product classification:**

Signal word: **Warning**

H věty:

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
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.”

“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

