

KRYPTON PROLINE PU PRIMER



DESCRIPTION

Single-component, moisture-curing polyurethane primer/sealer, containing aluminium and micaceous iron oxide (MIO) pigments. Tolerant of surface preparation.

CHARACTERISTICS

Application:

- At sub-zero temperatures down to -18°C.
- At high relative humidity up to 99%.
- No dew point restrictions.
- No restrictions on the maximum recoating time.
- Minimum surface preparation to St2 grade (ISO 8501-1).
- As a sealer coat for non-ferrous metal surfaces and galvanised surfaces.
- As a primer for waterproofing and flooring.

Provides:

- High adhesion, anti-corrosive properties and a barrier effect due to aluminium and micaceous iron oxide (MIO) pigments.

RECOMMENDED USE

Steel and concrete:

- For structures in medium, high, very high and extreme atmospheric corrosivity categories (C3, C4, C5 and CX - ISO 12944-2/2018).

Non-ferrous metal surfaces:

- As an adhesive or protective coating.

COMPATIBILITY

Depending on the operating conditions, the product can be used with different types of paints.

- Single-component moisture-curing polyurethanes (Krypton PU 1K).
- Two-component epoxies (Krypton EP 2K).
- Two-component polyurethanes (Krypton PU 2K).

For further details, please contact Krypton's technical department.

TECHNICAL DATA

Appearance	
Finish	Matt
Colour	Aluminium
Material properties	
Volume solids	67 ± 2%
Density (at +20°C)	1.20 ± 0.02 g/cm ³
VOC (volatile organic compounds)	<280 g/l
Resistance to dry heat (ASTM D2485)	
-Prolonged exposure	
-Short-term exposure	145°C 175°C
Impact resistance (ASTM 2794)	>5 days

SURFACE PREPARATION

Surface type	Minimum	Recommended
Surface profile	Ry5 (30–75 µm) (ISO 8503-1)	Ry5 (30–75 µm) (ISO 8503-1)
Steel	St 2 (ISO 8501-1)	Sa ½ (ISO 8501-1)
Non-ferrous and stainless-steel surfaces	Cleaning with an alkaline solution, rinsed with water (SSPC-SP 1)	Slightly rough surface (ISO 8501-2, ISO 12944-4)

Galvanised surfaces	Cleaning with an alkaline solution, rinsed with water (SSPC-SP 1)	Slightly rough surface (ISO 8501-2, ISO 12944-4)
---------------------	---	--

ENVIRONMENTAL CONDITIONS

Environmental conditions	
Air temperature	from -18 to +55°C
Surface temperature	from -18 to +55°C
Relative humidity*	30–99%
Dew point	No restrictions. The surface must be dry to the touch

Note: Do not apply in rain or snow, or if the applied material does not have sufficient time to be dry to the touch before it rains or snows.

For further details, please contact Krypton's technical support.

THICKNESS AND THEORETICAL COVERAGE

	Min.	Average	Max.
Dry thickness	80 µm	100 µm	120 µm
Wet thickness	120 µm	150 µm	179 µm
Theoretical coverage	8.4 m ² /l	6.7 m ² /l	5.58 m ² /l

Note: Actual coverage depends on application conditions, the type of structure to be painted, surface roughness and application method.

DRYING TIME

Dry film thickness 120 µm	-5°C	0°C	5°C	10°C	25°C	40°C
To the touch	12h	10h	7h	3h	1h 30m	1h
Recoating with the same product, 1K PU, minimum drying time before handling						
Cured service	-	-	-	14d	8d	4d

Note:

- If the relative humidity decreases, the curing time increases.
- There is no maximum recoating time.
- Drying and curing times determined at a controlled temperature and relative humidity of 60–80%.

For further details, please contact Krypton's Technical Department.

APPLICATION DATA

Homogenisation:

This product must be thoroughly homogenised with a low-speed mechanical mixer prior to use, taking care to avoid trapping air. Before opening the containers, ensure that the temperature of the material is at least 3°C above the dew point.



KRYPTON CHEMICAL SL

12 Martí i Franquès Street - Les Tàpies Industrial Estate
43890 - l'Hospitalet de l'Infant - Spain
Tel: +34 977 822 245 - Fax: +34 977 823 977
www.kryptonchemical.com - rayston@kryptonchemical.com

Last revised: 28/05/2026
Page: 1/2

KRYPTON PROLINE PU PRIMER



Dilution:

Normally, no thinner is required. If necessary, Krypton ProLine Thinner may be added up to 10% by volume.

Note: If the recommended thinners are not used, the manufacturer accepts no liability for any reduction in product quality.

Cleaning:

All equipment must be cleaned with Krypton ProLine Thinner immediately after finishing the job.

For further details, please contact the Krypton Technical Department.

APPLICATION METHODS

Airless, brush and roller application.

Spray application:

The airless sprayer is the primary method of spray application. For other spray methods, viscosity adjustment may be required.

Brush: application by brush.

Roller: roller application.

PACKAGING

Volume (litres)	Container size (litres)
10	10

STORAGE AND SHELF LIFE

The material must be stored in its original sealed container. The product must be stored in a dry, well-ventilated place, away from sources of heat and/or ignition.

Storage temperature	5 to 30°C
Shelf life	12 months

SAFETY

Use in a well-ventilated area. Do not breathe in the spray. Avoid contact with skin. If contact with skin occurs, wash the affected area immediately with soap and water. In case of contact with eyes, rinse immediately with plenty of water and seek medical attention immediately.

For detailed information on the health risks, safety and precautions for use of this product, refer to the product safety data sheet.

ADDITIONAL INFORMATION

The information contained in this technical data sheet, as well as our advice—whether written, provided verbally or through trials—is given in good faith based on our experience and the results obtained from trials carried out by independent laboratories; however, it does not serve as a guarantee for the user, who should treat it as a guide only and for strictly informational purposes.

We recommend studying this information in depth before proceeding with the use and application of any of these products; however, it is particularly advisable to carry out on-site tests to determine the suitability of a treatment at the location, for the intended purpose and under the specific conditions prevailing in each case.

Our recommendations do not exempt the applicator from the obligation to have a thorough understanding of the correct method of application of these systems before proceeding with their use, nor from carrying out any necessary preliminary tests if there is any doubt as to their suitability for any construction work, installation or repair, taking into account the specific circumstances in which the product is to be used.

The application, use and processing of our products are beyond our control and are therefore the sole responsibility of the installer. Consequently, the applicator shall be solely and exclusively liable for any damages arising from total or partial failure to comply with the user and installation manual and, in general, from the inappropriate use or application of these products.

This technical data sheet supersedes all previous versions.



KRYPTON CHEMICAL SL

12 Martí i Franquès Street - Les Tàpies Industrial Estate
43890 - l'Hospitalet de l'Infant - Spain
Tel: +34 977 822 245 - Fax: +34 977 823 977
www.kryptonchemical.com - rayston@kryptonchemical.com

Last revised:

28/05/2026

Page:

2/2