

2K PU SF Primer

SOLVENT FREE **2K**

Description:

A two component, solvent free concrete, metal & wood primer system based on polyurethane-urea.

Intended Uses:

2K PU SF Primer is a high-performance urethane primer designed for use on concrete, steel, and wooden substrates.

Solvent free, deep penetrating and easy to apply, with long recoat windows up to 24 hours.

2K PU SF Primer exhibits bubble free films on dry surfaces. It exhibits low sensitivity to substrate moisture, leaving only minimal bubbling when applied to damp surfaces.

Features & Benefits:

- 100% solids.
- Penetrates and seals the surface, leaving a smooth, pinhole and bubble free coating.
- Excellent adhesion to a variety of substrates.
- Good physical properties.
- Outstanding stability at low temperatures.
- May be applied on damp surfaces.
- Long working time of up to 45 minutes.

Physical Properties:

Tensile Strength (Psi)	2,400
Elongation (%)	45
Modulus of Elasticity (Psi)	47,900
Tear Strength, psi	200
Polyurea Topcoat Adhesion (Elcometer) Psi,	>500

Technical Data:

Product Physical Form	Liquid
Binder Type	Urethane
Colour	Clear amber
Appearance	Smooth gloss
Mixing Ratio (Volume)	1:1
Volume Solids	100%
Viscosity @ 25°C	45 cp
Recommended WFT	75 – 125µm (Wet Film Thickness)
Recommended DFT	75 – 125µm (Dry Film Thickness)
Theoretical Coverage	8 – 13.3 m ² / Lt per coat, allowance should be made for site application losses & surface profile
Method of Application	Brush, roller, or airless spray.
Processing Temperature	Ambient
Pack Size	5 & 20 Lt Kits

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Pot Life	45 minutes @ 20°C
Tack Free	4 hours @ 20°C
Recoat Time Minimum	2 Hours @ 20°C
Recoat Time Maximum	24 hours without re-activation
Over 12 Hours Recoat	Abrade, de-dust and re-primer with 2K PU SF Primer

Important Information:

- Material (in closed containers) should be maintained in protected storage in accordance with information given in the STORAGE section of this data sheet.
- Technical and application data herein is for the purpose of establishing a general guideline of the coating application procedures.
- Test performance results were obtained in a controlled laboratory environment and Specialized Coating Systems makes no claim that the exhibited published test results, or any other tests, accurately represent results found in all field environments. As application, environmental and design factors can vary, due care should be exercised in the selection and verification of the performance and use of the coating

Surface Preparation:

In general, the following guidelines for preparation should be adhered to. Always consult for a detailed specification.

- The areas to be coated should be dry, firm, solid and free from dust, oil, fats, and other contaminants.
- Oil can be removed using **Hydrosolve Degreaser**.
- Fungal growth or algae can be removed using **Fungicidal Wash**.
- Laitance and loose particles must be removed thoroughly i.e., grinding /high pressure cleaning.
- Moisture content of concrete surfaces should not exceed 4%.
- Surfaces must be abraded by mechanical means and de-dusted prior to application.

Application:

To prepare the system for application, mix the appropriate volume of materials together for approximately 2 minutes. At this point, a cloudy liquid will result which will eventually become clear and amber. Shortly thereafter, a slight exothermic reaction will become noticeable, and the mixture will increase in viscosity. This will indicate end of the pot life. Use material before exotherm takes place.

Application is best made using airless spray, brush or roller taking care to ensure complete coverage of the required areas without over applying which could cause localized stresses in the finished system.

Overcoating time should be strictly adhered to.

All equipment should be cleaning directly after use using MEK solvent.

Storage:

- Shelf Life: 12 months at 25°C from date of manufacture. Subject to inspection thereafter.
- Store in dry conditions out of direct sunlight away from sources of heat or ignition.

Safety Information:

- Refer to product SDS for health & safety prior to using products.
- Always wear safety clothing / protection. Respirators, eye protection & skin protection.
- Apply in well-ventilated areas

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Whilst we endeavour to ensure that all advice we give about the product is correct, the information given in this data sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so entirely at his own risk. As conditions of use, method of application and suitability of the substrate prior to painting are beyond our control, no guarantee is implied by the recommendations contained herein. We therefore do not accept any liability whatsoever or howsoever arising from the performance of this product or for any loss or damage arising out of the use of this product. The information contained in this sheet is liable to modification from time to time in the light of experience and ongoing product development programmes. It is the user's responsibility to ensure that this sheet is current prior to using the product