

**QUICK ROLL 2K SF**
**COLD APPLIED 2K-POLYUREA**
**Two component easily cold-applied polyurea thick waterproofing coating.**
**DESCRIPTION**

Two component easily cold-applied polyurea thick waterproofing coating. Solventless. This product, upon polymerization, gives an elastic, seamless coating, fully bonded to the substrate. The membrane is waterproof and able to absorb substrate movement. The liquid resin is non-flammable, easy to transport and store

**APPLICATION**

It can be applied on different substrates using a suitable primer (concrete, fibrous cement, brick, ceramic tiles, bituminous products, steel, zinc, aluminium surfaces)

- Roofs, balconies, terraces
- Bathrooms, kitchens.
- Stairs, stands.

**PROPERTIES**

- Crack bridging ability
- Elastic, seamless membrane
- Thick layer (up to 2 kg/m<sup>2</sup>) applications possible in one coat.

**SUPPORT REQUIREMENTS**

In order to achieve a good penetration and bonding, support must be:

1. Flat and levelled
2. Compact and cohesive (pull off test must show a minimum resistance of 1,4 N/mm<sup>2</sup>).
3. Even and regular surface
4. Free from cracks and fissures. If any, they must be previously repaired.
5. Clean and dry, free of dust, loose particles, oils, organic residues or laitance

Support temperature must be between 10°C and 40°C. At higher temperatures, additional measures to be advised by the manufacturer must be taken. Support moisture must be less than 4%

**RECOMMENDED ENVIRONMENTAL CONDITIONS**

Air temperature should be 30°C. Relative air humidity should be less than 85%.

**SUPPORT PREPARATION**

Concrete substrates must be prepared mechanically using high pressure sand or abrasion, in order to remove the surface and

obtain an open pore. Substrates must be primed and levelled until a regular surface is obtained. Sharp irregularities are eliminated using an abrading disc machine.

Eliminate all dust and loose particles from the substrate by brushing or vacuum cleaning. Primers over concrete recommended are Epoxy Primer 100 2K EP SF. When used for membrane repairing, a good adhesion must be ensured by sanding at least 3 cm away from the repaired spot and cleaning with VIP Solvent. Apply PU Primer (100 g/m<sup>2</sup>) afterwards. The area is then ready to be repaired.

**MIXING**

Stir and homogenise separately both components using suitable mixing equipment. Pour gently Component B into the Component A and mix with a low-speed stirring before use. Wait some minutes before application and use the mixture normally. Addition of Component B has an effect on the viscosity and solids content of Component A. Please take this into account when calculating the amount and thickness of product if a final coat of 1,5-2 mm minimum is to be obtained. After mixing use entirely the AB mixture.

**APPLICATION GUIDELINES**

Apply with roller. Use a spiked roller afterwards to prevent bubble formation. When used as a repairing kit for polyurea membranes, reinforcement with Geotex is recommended. Once cured, a gentle sanding before application of an aliphatic top-coat improves membrane appearance.

**CURING TIME**

Curing time for mixtures 1 mm thick, approximate:

Conditions	Dry to touch
23°C, 23% rh	45 min
23°C, 33% rh	45 min
11°C, 50% rh	120 min

**RE-APPLICATION**

Usually, needed thickness can be obtained in one single coat. If necessary, a second coat can be applied immediately afterwards. In any case, do not wait more than 2 hours for a second coat. If spraying over a previously applied epoxy primer, ensure the primer is completely cured (app. 8 hours).

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### TECHNICAL DATA

### INFORMATION ON THE PRODUCT BEFORE APPLICATION

	COMPONENT A	COMPONENT B
Chemical description	Polyisocyanate prepolymer	Polyamine mixture
Physical state	Liquid	
Packaging	Metal container 25 kg	Metal container 0.7 kg
Non-volatile content (%)	100%	
Flash point	> 100°C	
Colour	Red	Clear yellow
Density	1.3 g/cm <sup>3</sup> (20°C)	1.2 g/cm <sup>3</sup> (20°C)
Viscosity approximate Brookfield	20°C 5000-10000 mPa.s	460 mPa.s (20°C)
A/B mixing ratio	A=100, B=2.8 by weight A=100, B=3 by volume	
Colour	Red. Other colours available on request.	
Pot life	5 23 35	180 60 30
Storage	Keep between 10° y 30°C (recommended).	
Use before	12 months after manufacture (Note: 9 months if component A is black pigmented), provided it is kept in its sealed container	

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**PHYSICAL PROPERTIES**

**INFORMATION ON THE FINAL PRODUCT**

<b>Final state</b>	Solid elastomeric membrane
<b>Colour</b>	Standard colour is Red. Other colours available under request. Note: Colour is unstable under sunlight. This discolouration takes place also in the treated membrane (gray turns to green). This change does not impair the membrane mechanical properties
<b>Hardness (shore)</b>	70 A (ISO 868)
<b>Mechanical properties</b>	Elongation (EN-ISO 527-3): 230 % Tensile strength(EN-ISO 527-3): 2.2 MPa
<b>Adhesion strength</b>	Fibrous cement (EP primer) 2 MPa
<b>UV resistance</b>	Good resistance to UV-induced degradation. Aromatic polyureas undergo change of colour under sunlight. This change does not affect its mechanical properties. Additional UV protection can be achieved by application of a VIP QuickCoat.

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QUESTION	ANSWER
What if a different ratio is used?	Less Component B than needed makes curing time longer, but no damage is expected. Using more components B than needed does not reduce drying time, and will strongly damage final membrane properties.
What happens in case of rain?	Early rain-resistant, skin development takes quickly. Use of the VIP QuickRoll SF can, therefore, be highly recommended in case of risk of rain.

**TOOL CLEANING**

Use VIP solvent for general cleaning.

**OTHER INFORMATION**

The information contained in this DATA SHEET, as well as our advice, both written as verbal or provided through testing, are based on our experience, and they do not constitute any product guarantee for the installer, who must consider them as simple information. We recommend to study deeply all information provided before proceeding to the use or application of any of our products, and strongly advise to conduct tests “on-site” in order to determine their convenience for a specific project. Our recommendations do not exempt of the obligation of installers to deeply study the right application method for these systems before use, as well as to conduct as many preliminary tests as possible should any doubt arise. The application, use and processing of our products are beyond our control, and therefore under the exclusive responsibility of the installer. In consequence, the installer will be the only responsible of any damage derived from the partial or total in-observation of our indications, and in general, of the inappropriate use or application of these materials. This data sheet supersedes previous versions.

**HEALTH AND SAFETY**

Component A contains isocyanates. Component B contains organic amines. Always follow the safety instructions in the Material Safety Data Sheet. As a general rule, a good ventilation and/or respiratory protection is needed (combined organic vapour filter+particles) along with protective clothing. This product must be used only for the applications here described. This product is intended for industrial and professional use. It is not suitable for DIY-type applications.

**ENVIRONMENTAL PRECAUTIONS**

Empty containers must be handled with the same precautions as if they were full. Treat empty containers as hazardous waste, and transfer them to an authorized waste manager. If the containers still have some material left, do not mix with other product with no knowledge of potential dangerous reactions.

**DISCLAIMER**

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, at the time of printing. However the accuracy, completeness and repeatability of said tests results are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user’s responsibility to satisfy himself, by his own information and tests, to determine the suitability of the product / system for his own particular project and application. User assumes all risk and liability resulting from his use of this product / system. We do not suggest or guarantee that any hazards listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or incorrect use of the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and standard application procedures. Test performance results were obtained in a controlled environment and the manufacturer makes no claim that these tests or any other tests, accurately represent all environments.

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This technical specification supersedes all previous data sheets.