



PRODUCT DATA SHEET

UrePac® Spraycast 15 85

Product Description

UrePac® Spraycast 15 85 is a rapid cure, two component hybrid polyurea spray elastomer based on polyether polyol amine cross-linker and MDI isocyanate. The system has been developed with low viscosity so it can be sprayed through low and high pressure equipment. The elastomer was designed for use as a high performance, flexible, protective coating.

UrePac 2321 (Isocyanate) Specification:

220kg per 205lt Open top drum.

22kg per 20lt Open top pail.

Specific Gravity (22°C):	1.15 +- 0.02 g/ml
Viscosity (Brookfield) (22°C):	1800 +- 200 m.Pas
Appearance:	Clear Yellow liquid

UrePac Spraycast 15 85 (Polyol) Specification:

200kg per 205lt Closed top drum.

20kg per 20lt Open top drum.

Specific Gravity (22°C):	1.04 +- 0.02 g/ml
Viscosity (Brookfield) (22°C):	400 +- 100 m.Pas
Appearance:	Opaque Colourless liquid

Processing Conditions:

Temperature

The temperature of both components should be conditioned to at least 20°C to ensure that cross-linking of the elastomer takes place. The optimal temperature of the components should be heated to 60-65°C to achieve repeatable results of the finished product.

Application

The surface to be sprayed should be clean, dry and free from oil and grease to prevent delamination. For improved adhesion a suitable primer should be used to prepare the surface. For machine mixing it is recommended that regular calibration shots are conducted to ensure that the correct mix ratio is being achieved. For high pressure units a minimum pressure of 1500-2000psi is required to get sufficient mixing of the components. Recommended coating thickness is between 1.5-3mm for most coating applications.

Typical Properties

Mix Ratio	100 Isocyanate (Part A): 91 Polyol (Part B) (w/w) 100 Isocyanate: 100 Polyol (v/v)
Gel Time (22°C):	15+-2 seconds
Cure time (Surface Temp. 22°C):	30+-5 minutes for foot traffic. 6-8 hours for Full Service
% Solids	100%
Density:	1.07 +-0.02 g/ml
Shore Hardness:	85+-5 Shore A
Tensile Strength:	12+-2 N/mm ²
Elongation at break:	350+-20 %
Tear Strength:	50.0+-10 N/mm
Abrasion Resistance (H22):	97 mg/1000 cycles
Water Absorption:	0.5%
Water Vapour Transmission:	4.9 g/m ²
Adhesion:	
Intercoat	1.50 MPa
Concrete (Unprimed)	1.20 MPa
Concrete (Primed)	2.40 MPa
Steel (75µm shot blast)	3.40 MPa

Storage and Handling

Component A should be stored under dry conditions out of direct sunlight between 18 and 25°C.
Component B should be stored separately from *Component A*, but under the same conditions.

- Both products will have a minimum shelf life of six months when stored under these conditions.
- It is imperative that **Component A** be thoroughly mixed prior to use.
- If **Component A** is held in storage tanks, the contents must be mixed at least once per day.

Please refer to the Material Safety Data Sheet (MSDS) for further advice on the safe handling of these products.

Transport Classification

Component A:	None
Component B:	None