PRODUCT DATA SHEET

UrePac® Rigid 30 20

Product Description

UrePac® Rigid 30 20 is a slower reacting, two component polyurethane open-celled pour foam based on polyether polyol and MDI isocyanate. The system has been developed with low viscosity, reactivity and lateral expansion. The foam was designed for use as ultra-low density insulation foam for use in existing residential wall insulation applications.

Part A (Polyol) Specification:

210kg per 205lt Open top drum.

Specific Gravity (22°C):	1.04 +- 0.02 g/ml
Viscosity (Brookfield) (22°C):	300 +- 100 m.Pas
Appearance:	Clear colourless liquid

Part B (Isocyanate) Specification:

250kg per 205lt Closed top drum.

Specific Gravity (22°C):	1.23 +- 0.02 g/ml
Viscosity (Brookfield) (22°C):	210 +- 70 m.Pas
Appearance:	Clear Brown liquid

Processing Conditions:

Temperature

The temperature of both components should be heated in the spray unit to at least 45°C to ensure that a sufficient mix and reaction is obtained. The surface to be coated should be at least 22°C to ensure adequate adhesion and reaction of the product can occur.

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. 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 1500psi is required to get sufficient mixing of the components.

Cured Foam Properties

Mix Ratio	**100 Polyol (Part A): 110 Isocyanate (Part B) (w/w)**
	100 Isocyanate: 100 Polyol (v/v)
Cream Time (22°C):	30+-1 seconds
String time (22°C):	150+-10 seconds
Rise time (22°C):	200+-15 seconds
Free Rise Density (22°C):	20+-2 Kg/m^3

Obtained from Laboratory cup test

Core Density (Sprayed):		9+-1 Kg/m^3
Closed Cell Content:		10-30%
K Value:		0.0380+-0.02 W/mK
Compressive Strength:		30+-10 KPa
Horizontal Burning:	**Time (sec)**	0
	Length (mm)	25
	Rate (mm/sec)	-

Sprayed through Graco E10

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 recommended that ***Component A*** be 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