



PRODUCT DATA SHEET

UrePac® Rigid 35 34

Product Description

UrePac® Rigid 35 34 is a two component, polyurethane rigid foam based on polyether polyol and MDI isocyanate. The system has been developed with excellent insulation and fast reaction properties for use in hot water or refrigeration applications.

Part A (Polyol) Specification:

210kg per 205lt Open top drum.

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|---------------------------------------|--------------------------|
| Specific Gravity (22°C): | 1.10 +- 0.02 g/ml |
| Viscosity (Brookfield) (22°C): | 200 +- 100 m.Pas |
| Appearance: | Clear pale yellow liquid |

Part B (Isocyanate) Specification:

250kg per 205lt Closed top drum.

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|---------------------------------------|--------------------|
| 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 day tanks to at least 25°C to ensure that a sufficient mix and reaction is obtained. The optimal temperature of the mould boxes should be between 35-45°C to achieve optimal skin definition and repeatable results of the finished product.

Application

The mould should be clean, dry and free from oil and grease to prevent skin imperfections or foam collapse. 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. The entire pour should be completed before the foam begins to rise to achieve the best foam structure.

Cured Foam Properties

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|---------------------------|--|
| Mix Ratio | 100 Polyol (Part A): 110 Isocyanate (Part B) (w/w) 100 Polyol: 100 Isocyanate (v/v) |
| Cream Time (22°C): | 35+-2 seconds |
| String time (22°C): | 125+-5 seconds |
| Rise time (22°C): | 205+-10 seconds |
| Free Rise Density (22°C): | 34+-2 Kg/m ³ |

Obtained from Laboratory cup test

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|-----------------------|-------------------------|
| Core Density: | 32+-2 Kg/m ³ |
| Closed Cell Content: | 90-95% |
| K Value: | 0.0220 W/mK |
| Compressive Strength: | 170+-10 KPa |

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

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|--------------|------|
| Component A: | None |
| Component B: | None |