

PRODUCT DATA SHEET

RESIFOAM RF1211

RESIFOAM RF1211 is a self-extinguishing rigid polyurethane foam system for general-purpose applications. This system has a slow reaction profile hence its suitability for hand-mix applications. The finished product, if processed correctly, has a high percentage of closed cells ensuring its suitability in buoyancy applications. The foam has good physical properties and dimensional stability. The system can also be dispensed through high and low-pressure dispensing machines. The system uses ECOMATE® as the blowing agent which has zero Ozone Depleting Potential, zero Global Warming Potential and is SNAP approved.

TYPICAL PHYSICAL PROPERTIES

Resin (polyol blend)	Appearance	Straw coloured liquid
	Density	1.12 g/ml
	Viscosity @ 20°C	300 +-75 mPa.s
Isocyanate	Composition	Technical Grade MDI
	Appearance	Dark Brown Liquid
	Density	1.22 - 1.23 g/ml
	Viscosity	250 ± 50 mPa.s

FORMULATION

100 pbm	RESIFOAM RF1211
100 pbm	RESINATE 200

TYPICAL REACTION PROFILE

Hand Mix @ 1000 RPM. Reef Altitude; 20°C

Cream Time	32 - 36 seconds
Gel Time	125 - 140 seconds
Rise Time	240 - 260 seconds
Tack Free	220 - 250 seconds
Free Rise Density (core)	35 - 38 kg/m ³ (reef)
	± 38 - 43 kg/m ³ (coastal)
Typical R Value (m ² .K/W)	20mm thick
	30mm thick
	0.76
	1.15

STORAGE STABILITY

The product must be stored out of direct sunlight and weather. The containers must be kept sealed against moisture at all times in storage. Ideal storage temperature is approximately 20°C. Under these conditions the product will remain stable for 6 months.

SAFETY PRECUATIONS DURING HANDLING

RESIFOAM RF1211 is a preparation based on polyols that contain among other substances, a small percentage of tertiary aliphatic amines.

Because of its alkaline character, RESIFOAM RF1211 may cause slight to moderate irritation when it comes into contact with the skin, the eyes and the mucous membranes, particularly if this contact is prolonged.

Safety goggles and impermeable protective gloves should always be worn if there is a risk of direct exposure when handling RESIFOAM RF1211.

Splashes that come into contact with the skin must be wiped off immediately and the contaminated areas must be thoroughly washed with soap and water. Subsequently these areas should be treated with a good barrier cream.

To prevent further contact with the skin, contaminated clothing should be changed immediately and thoroughly cleaned before reuse.

The product must be kept away from foodstuffs.

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