

# U-FOAM 35



U-FOAM 35 is a two component polyurethane system for the manufacture of closed cell rigid foam materials for general purpose applications, such as void filling and filling of buoyancy modules, floats surf skis for buoyancy.

It can be processed by hand-mixing or through polyurethane foam dispensing equipment. This product contains no CFC's or HCFC's and is environmentally friendly foam that has no ozone depleting potential.

## APPLICATIONS:

Insulation, filling of cavities, buoyancy, etc.

U-FOAM 35 contains a flame retardant additive which reduces the flammability of the cured foam material along with good insulation properties and good flow ensuring easy processing.

## STORAGE & PROCESSING:

U-FOAM 35 PART A & PART B raw materials must be stored between 18 - 25°C, under proper warehouse conditions - away from direct sunlight and any form of water. Under these conditions the material has a shelf-life of six months.

The processing temperature of the U-Foam 35 Part A and B should be between 18 to 25°C.

The cavity / mould should be pre-heated to a temperature of approximately 35°C.

Stir both the components thoroughly in the separate original containers, as supplied.

Decant the required quantity into a clean plastic container as per the mix ratio.

Immediately commence mixing the two components together with a high speed drill and paint stirrer for 15 seconds and pour the reacting liquid into the cavity or mould. Pay particular attention to the mixing of the two components as it is absolutely necessary for good / consistent results.

## PHYSICAL PROPERTIES:

Measurements were determined on samples without skin, compression and flexural loading perpendicular to foam rise. Samples were produced on a high pressure machine.

	ISOCYANATE (A)	POLYOL (B)	MIXED
Ratio (weight) gr	100	100	
Ratio (volume) ml	100	110	
Cream Time			= 45 ± 3 seconds
Gel Time			= 170 ± 10 seconds
Rise Time			= 300 ± 25 seconds
Free Rise Foam Density			= 34 ± 3kg / m <sup>3</sup>
Density (moulded)			51kg / m <sup>3</sup>
Comprehensive Strength (10%)			241 kPa
Closed Cells			96%
Water Absorption (% Vol)			1.46
Thermal Conductivity			0.023 W / mK

The information contained herein is true and accurate, based on laboratory conditions. It is recommended that the user contact the manufacturer to confirm suitability as field conditions may vary and yield different results. Testing of this product is strongly recommended to confirm suitability for specific applications. Data should not be used for specification purposes. DO NOT COMMENCE OPENING / HANDLING U-FOAM RAW MATERIALS WITHOUT: GOOD VENTILATION, SAFETY GOGGLES, RUBBER GLOVES AND FULL SKIN PROTECTION.