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Hand Pour/Injection/  
Sprayable Foams

HCFC/HFC/Pentane/  
Water Blown Foams

Integral Skin Foams

Polyurethane Rigid Foam  
Sheets

Polyurea & Polyurethane  
Spray Elastomers

Polyurethane Panel  
Adhesives

Tufflex Waterproofing

Disposable Foam  
Products

Packaging Foams

Foam-in-Place/Foam-in-Bag  
Dispensers

## DESCRIPTION

**PAC 4032** is a 32 kg/m<sup>3</sup> density low viscosity Rigid Pour Foam.

This formulation is suitable for both hand mix and machine application and is designed for general thermal and sound insulation, marine flotation and void fill. The high percentage of closed cells provides low water permeability.

## APPLICATIONS

**PAC 4032** is ideally suited to any of following applications.

**Marine flotation**  
**Wall and door cavity fill and insulation**  
**Pipe insulation**  
**Void filling**  
**Refrigeration units, cabinets and coolrooms**  
**Fish bins, holds and freezers**  
**Model creation**

## PHYSICAL PROPERTIES

### LIQUID COMPONENTS

	COMPONENT A	COMPONENT B
Appearance	Brown liquid	Clear liquid
Specific Gravity	1.24	1.19
Viscosity (20°C)	200 cps	600 cps
Mix Ratio – by volume	1	1
- by weight	1.04	1

### REACTION PROFILE (20°C)

Cream Time	60 seconds
Gel Time	180 - 240 seconds

### FOAM PROPERTIES

Free rise density	32 ± 2 kg/m <sup>3</sup>
Thermal Conductivity	0/02 W/mK approx
Compressive Strength -Parallel	150 kN/m <sup>2</sup> approx
-Perpendicular	125 kN/m <sup>2</sup> approx
Closed Cells	90 – 95%
Dimensional Stability	1 – 5%
Water Absorption (20°C)	2% by volume

### SALES UNITS

2 X 1 kg tins	2 kg kit
2 x 5 kg tins	10 kg kit
2 x 20 kg drums	40 kg kit
2 x 60 kg drums	120 kg set
2 x 200 litre drums	480 kg set

## PROCESSING INFORMATION

**PAC 4032** can be hand mixed or processed through high pressure pour - in place plural component dispensing equipment, such as the Glas-Craft dispenser fitted with a Probler Gun.

Drums of components should be pre-heated to at least 25°C prior to mixing or dispensing.

Do not add more foam until the product has fully risen, which will be 3 - 4 minutes following mixing.

### **Hand Mix:**

Ensure drums/cans of product are warmed to at least 25°C. Accurately measure or weigh the A and B components at the specified ratio. Mix thoroughly with a rotary power mixer for a minimum of 25 seconds. Pour into place.

### **Machine Dispensing:**

Equipment pressure	1000 psi minimum
<b>Component A (iso)</b>	
Pre-heat	20 to 30°C
Hose Temperature	35 to 40°C
<b>Component B (Polyol)</b>	
Pre-heat	20 to 30°C
Hose Temperature	35 to 40°C

Check machine pressure balance and dispensing ratios regularly. Check the foam quality frequently and resolve any problems before continuing.

The optimum temperatures can vary depending on ambient conditions, applications and substrate.

## APPLICATION CONDITIONS

**PAC 4032** is formulated for application on most surfaces under various conditions. Substrates should however be clean and dry. Water or moisture may react with the components and affect the finished results. Elevated surface temperatures will increase the yield. Low surface temperatures (<15°C) will lead to the foam "over-packing" and a loss of yield. Ideal temperatures are 25°C – 35°C.

## YIELD

Under ideal conditions, 1 kg of foam fills 0.031 m<sup>3</sup>.

The actual yield will depend on factors such as ambient conditions, product geometry, mixing efficiency and equipment settings.

In particular, cold temperatures and long, thin flow paths, will reduce yield.

## PRODUCT HANDLING

All persons using pour foam components should be trained in their use and be familiar with the product MSDS's.

Provide additional ventilation and/or breathing apparatus if used in confined spaces, as required to maintain safe working conditions.

### **Component A (diphenylmethane-diisocyanate)**

This is a potential respiratory sensitiser. Persons who suffer from hypersensitivity of the respiratory tract (e.g. asthmatics and chronic bronchitis sufferers) should avoid handling this product.

Avoid contact with the eyes or skin and breathing the vapour.

### **Component B (polyol blend)**

This contains polyols and HCFC blowing agents.

Avoid contact with the eyes or skin. If eye contact occurs, flush thoroughly with water and consult a physician.

Wear appropriate personal protective equipment when servicing equipment.

### **Cleanup**

Cured polyurethane foam is difficult to remove chemically. Therefore spillage should be minimized and cleaned up as soon as possible.

PAC Poly Clean aerosol cans can be used for small areas while PAC Methyl Proxitol is available for larger areas and for flushing lines.

### **Storage**

Components should be stored at temperatures between 15°C and 25°C. Containers should be tightly closed

Polyols should be remixed if not used within 3 months of delivery.

Shelf life is 6 months from delivery minimum

**24 hr Emergency No: 00800 2436-2255**