

PACTHANE PAC SLAB35 POLYURETHANE BLOCK FOAM PRODUCT DATA SHEET

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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

PACTHANE PAC SLAB35 is a rigid polyurethane block/slab foam system with a free rise density of 35 kg/m³.

PACTHANE PAC SLAB35 can be hand-mixed or processed through a plural polyurethane dispensing machine.

APPLICATIONS

PACTHANE PAC SLAB35 is designed for slabs, blocks or void fill. This foam combines high yield with durability, flotation and insulation properties.

Slabs can be sawn into sheets or other shapes as required.

NOTE:

SLABS PRODUCED FROM PACTHANE PAC SLAB350 SHOULD BE ALLOWED TO CURE FOR 4 – 5 HOURS BEFORE DE-MOULDING THEN REST FOR 7 DAYS BEFORE CUTTING OR SAWING

PHYSICAL PROPERTIES

LIQUID COMPONENTS

	COMPONENT A	COMPONENT B
Appearance	Brown liquid	Clear liquid
Specific Gravity	1.24	1.15
Viscosity	200 cps	1000 cps
Mix Ratio – by volume	1	1

REACTION PROFILE

Cream Time	100 seconds
Gel Time	350 seconds
Rise Time	400+ seconds

FOAM PROPERTIES

Free rise density	35 kg/m ³
Thermal Conductivity	0/021 W/mK approx
Compressive Strength - Parallel	150 kN/m ² approx
Closed Cells	>95%
Dimensional Stability	1 – 5%
Water Absorption (20°C)	<2.0% by vol
Service Temperature	-50°C – 100°C

PROCESSING INFORMATION

PACTHANE PAC SLAB35 can be hand mixed or processed through high/medium pressure pour - in place plural component dispensing equipment.

Component drums should be pre-heated to at least 25°C prior to mixing/dispensing. Preheat moulds, if used, to >25°C. The mould should be treated with an appropriate mould release agent or lined with paper before pouring the foam.

De-mould time is 4 – 5 hours, minimum but can depend on ambient conditions. Moulded slabs should be allowed to rest for 6 – 7 days before being cut to minimise shrinkage and distortion.

Hand Mix:

Accurately measure or weigh the components at the specified ratio. Mix thoroughly with a rotary power mixer for a minimum of 25 seconds. Pour into place and allow the product to rise.

All foam should be added before the product begins creaming

Machine Dispensing:

Equipment Pressure	1000 psi minimum
Component A (iso)	
Hose Temperature	› 30°C – 40°C
Machine Temperature	› 40°C – 45°C
Component B (Polyol)	
Hose Temperature	› 30°C – 40°C
Machine Temperature	› 40°C – 45°C

The full volume of foam components must be dispensed before the product begins to cream.

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.

YIELD

Under ideal conditions, 1 kg of foam yields 0.028m³. The actual yield will depend on factors such as ambient conditions, product geometry, mixing efficiency and equipment settings.

In particular, cold temperatures will reduce yield.

Our technical service – whether verbal, in writing or by way of trials – is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control and, therefore, entirely your own responsibility. Should, in spite of this, liability be established for any damage, it will be limited to the value of the goods delivered by us and used by you.

PRODUCT HANDLING

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

Breathing apparatus or forced ventilation/extraction may be required when used in confined areas.

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.

Exposure levels must be maintained below the safe thresholds.

Avoid contact with the eyes or skin and breathing the vapour. Wear appropriate personal protective equipment when servicing equipment.

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 Solvent 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