



TWO PART POLYURETHANE FOAM

CX00024 2kg kit

CX00025 10kg kit

This material is a 2-component water blown system suitable for in-situ buoyancy and general void filling applications.

- CFC and HCFC free
- Good Flow
- Even density distribution
- Low viscosity for ease of mixing
- Fire retardant

PROPERTIES

Density - 1kg/0.029m³ (2.2lb/cu.ft.) Closed cell content - 90%

As a guide, a pack of 1lt of each component will produce a total of 0.04m³ (1.41 cu. ft. approx.) of foam.

TEMPERATURE/STORAGE

PU foams expands better at elevated temperatures (up to 30°C). Temperatures below 18°C could result in poor forming and cure.

It is recommended that the material is stored in a cool dry (frost free) area and moved into a warmer area a few hours before use. Reseal containers after use and keep away from moisture.

MIXING

The foam is produced by mixing Part B to Part A in equal parts by volume. The ratio by weight is A100 : B114.

If there are problems with poor foam cure this can be increased to A100 : B118.

Thorough mixing by hand using a spatula will produce satisfactory results, however mechanical mixing (such as a paint mixer on a drill) will give greater expansion and cell structure, and this is recommended where performance is important.

Once mixed the components will take 30-40 seconds to begin foaming and the mixture should be poured before this occurs. The amount you can use in a single pour will depend on the shape of the void, but as an approximate guide the foam thickness should be limited to 150mm for each pour.

Very large voids can be filled by multiple pours allowing sufficient cooling time between.

HANDLING & SAFETY

When handling these materials there are certain precautions that should be taken, the most relevant are listed below. Full Data sheets under COSHH regulations are available upon request.

PROTECTION

Gloves and eye protection should always be worn when handling this material.

Avoid contact with skin and inhaling vapour.

Part 'B' is an isocyanate which should be kept off the skin and the vapour must not be inhaled. In case of contact with skin, wash off immediately with soap and water.

If it comes into contact with the eyes, wash out with copious water and consult a doctor.

VENTILATION

In use, maintain adequate ventilation. At normal room temperature (20°C) hazardous vapour concentrations do not occur.

EXCESSIVE PRESSURE

Great care should be taken when moulding in closed voids and a vent must always be included for air/access material to escape. Failure to include venting could lead to a dangerous build-up of pressure.

Make sure the mould is strong enough and vented adequately to take the pressure of foaming material.

SPILLAGE

In the event of a small spillage, soak up with rag or cotton waste, and sprinkle sand or sawdust over area.

Before disposing of rag/sand etc. soak well with water. Do not wash down the drains.

SUPPORT

If you have any doubts about this material, please do not hesitate to contact technical staff.

The information contained on this leaflet is to the best of our knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure the information is appropriate and complete for their specific use of these materials.