

TRIDENT FOAMS LIMITED



XTRIPOR **X**TRICAST **X**TANCAST **X**AUTOFROTH **X**AUTOPOR **X**MHD

TRIPOR 223

Tripor 223 is a high density, rigid foam system which may be used to manufacture mouldings. It is also suitable for structural infill of fibreglass components, and relies on the thorough mixing of two low viscosity liquids by either hand or machine mix techniques.

Tripor 223 contains no CFC's or HCFC's and therefore has an Ozone Depletion Potential (O.D.P.) of zero.

FOAM MANUFACTURE

The foam is produced by the thorough mixing together of the Component A with Tripor Component B at a ratio of 1 to 1 by weight. In hand mixing the Component A should be pre-mixed for at least one minute to aerate it, before mixing with the Component B. After mixing the foam should be immediately transferred to the mould or cavity to be filled, pouring should be finished before there is any significant amount of expansion. The foam should be processed between the temperatures of 18 - 25°C. Lower temperatures will give a slower reaction, higher temperatures faster. Reaction times will also be affected by the bulk mixed, larger amounts will give shorter times, small amounts longer times. Surfaces in contact with the rising foam should be at a temperature of at least 20°C.

The following times are typical for a Quality Control procedure for the checking of cream, string and rise times, and measurement of the free rise density. The test is conducted at a temperature of 20°C, using 200 grams of Component A and 200 grams of Component B mixed together in a cup of approximately 600ml. volume, stirred intensively for 20 seconds using a bench stirrer rotating at 2000rpm. Immediately after mixing the chemicals are transferred to a second 600ml cup

Mixing Time	20 seconds	
Cream Time	50-60 seconds	(from start of mixing to start of rise)
String Time	140-180 seconds	(from start of mixing to when a thread can be drawn from rising foam with an inserted rod)
Rise Time	180-220 seconds	(from start of mixing to end of rise)
Density (Free rise)	410-430 kg/M ³	(weight of cups contents divided by volume of cup, after removing head)
Core Density (Free rise)	390-410 kg/M ³	(weight of a piece cut from a test block divided by volume of the piece)
Ratio	1:1	(by weight)

STORAGE & HANDLING

It is extremely important that the drums should be re-sealed immediately after use to prevent the entry of moisture which will adversely affect the resultant foam. The shelf life of the materials is four months when stored in sealed drums within the recommended temperature range of 10 - 30°C, but users are recommended not to hold in stock longer than necessary

PLEASE SEE THE SEPARATE MATERIAL SAFETY DATA SHEETS BEFORE USING THESE PRODUCTS.

The data contained in this sheet is to our knowledge true and accurate but recommendations are made without guarantee or warranty since application and conditions are outside our

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control. It is suggested that users should carry out their own tests to ensure 'Tripor' meets their requirements.

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