ABL *(STEVENS)* Resin & Glass

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TRIPOR 200(LOW Density) Polyurethane Foam

'Tripor 200' is a low 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 cither hand or machine mix techniques.
'Tripor 200' contains no CFCs or HCFCs and therefore has an Ozone Depletion Potential (O.D.P.) of zero.

FOAM MANUFACTURE

The foam is produced by the mixing together of the two Components A and B at a ratio of I to 1.16 by weight or 1:1 by volume, it is vitally important that quantities are accurately measured before mixing thoroughly. 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. It is essential for the foam to be restricted and not allowed to rise freely. 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 25°C.
The following times arc typical for a Quality Control procedure for the checking of cream, string and rise times, and measurement of the free rise density. The test should be conducted at a temperature of20°C, using 32.4grams of Component A and 37.6grams of Component B mixed together in a cup of approximately 660ml. volume, stirred intensively for 10 seconds using a bench stirrer rotating at 2000rpm. Immediately after mixing, the chemicals are transferred to a second 660ml cup.

Cream Time	15-20 seconds	(from start of mixing to start of rise)
String Time	150-190 seconds	(from start of mixing to when a thread can be drawn from rising foam with an inserted rod
Rise Time	250-300 seconds	(from start of mixing to end of rise)
Density (Free rise)	40-42kg/M^3	(weight of cups contents divided by volume of cup after trimming foam back to top of cup)
Core Density (Free rise)	36-38kg/$M^{;3}$	(density of piece cut from foam core)
Ratio	1:1.16	(by weight)

STORAGE & HANDLING

It is extremely important that the containers 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 SEPERATE MATERIAL SAFETY DATA SHEETS BEFORE USING THESE PRODUCTS.
The data contained in this sheet is to bur knowledge true and accurate but recommendations are made without guarantee or warranty since application and conditions are outside our control. It is suggested that users should carry out their own tests to ensure Tripor' meets their requirements.