TRIDENT FOAMS LIMITED

TRIPOR TRICAST TANCAST AUTOFROTH AUTOPOR MHD

TRIPOR 218

'Tripor 218' is a low to medium density, rigid foam system which may be poured in place to fill cavities or used to manufacture mouldings. It is ideally suitable for semi structural infill of fibreglass components, and relies on the thorough mixing of two low viscosity liquids by either hand or machine mix techniques.
'Tripor 218' 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 mixing together of the two Components A and B at a ratio of 1 to 1.2 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 cavity or mould to be filled, pouring should be finished before there is any significant amount of expansion. Mould surface temperatures may need to be as high as 30 ^{o}C where there is a high heat sink effect, for example heavy steel moulds. The foam should be processed between the temperatures of 18 - 25^{o}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^{o}C using 35 grams of Component A and 42 grams of Component B mixed together in a cup of approximately 600 ml. volume, stirred intensively for 10 seconds using a high speed stirrer. Immediately after mixing the chemicals are transferred to a second 600 ml cup.

Mixing Time	10 seconds	
Cream Time	15-20 seconds	(from start of mixing to start of rise)
String Time	75-85 seconds	(from start of mixing to when a thread can be drawn from the rising foam with an inserted rod)
Rise Time	115-130 seconds	(from start of mixing to end of rise)
Tack Free Time	130-150 seconds	(from start of mixing till surface can be lightly touched without foam sticking)
Density (free rise)	60-65 kg/M^3	(weight of cups contents after removing head, divided by volume of cup)
Core Density (free rise)	55-60 kg/M^3	(weight of a piece cut from a test block divided by volume of the cut piece)
Ratio	1:1.2	(by weight)

STORAGE & HANDLING

It is extremely important that the material is not left exposed to atmosphere for any longer than necessary and that 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^{o}C, but users are recommended not to hold in stock longer than necessary.

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

Certain products manufactured with this material must be marked with a label that shows that the foam contains a high Global Warming Potential gas. The text should read "*Foam blown with fluorinated greenhouse gases".*

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

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