

TRIDENT FOAMS LIMITED



TRIPOR TRICAST TANCAST AUTOFROTH AUTOPOR MHD

TRIPOR 214

'Tripor 214' is a low density, rigid foam system which is designed for infill of large voids. It is also suitable for structural infill of large fibreglass components, and relies on the thorough mixing of two low viscosity liquids by either hand or machine mix techniques. It is not suitable for use in small quantities or at temperatures lower than 18 °C.

'Tripor 214' 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. 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, pouring should be finished before there is any significant amount of expansion. It is preferable for the foam to be restricted and not allowed to rise freely. Whenever possible, the foam should be processed between the temperatures of 20 - 25°C. Lower temperatures will give slower reaction, higher temperature faster. Reaction times will also be affected by the bulk mixed, larger amount 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 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 should be conducted at a temperature of 20°C, using 30 grams of Component A and 36grams of Component B mixed together in a cup of approximately 600ml. volume, stirred intensively for 10 seconds using a bench stirrer rotating at 2000rpm. Immediately after mixing, the chemicals are transferred to a second 600ml cup.

Cream Time	40 - 50 seconds	(from start of mixing to start of rise)
String time	230 - 275 seconds	(from start of mixing to when a thread can be drawn from rising foam with an inserted rod)
Rise Time	330 - 390 seconds	(from start of mixing to end of rise)
Density (Free rise)	42- 46 kg/M ³	(weight of cups contents divided by volume of cup)
Core Density	40 - 42 kg/M ³	(density of piece cut from foam core)
Ratio	1:1.2	(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 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 control. It is suggested that users should carry out their own tests to ensure 'Tripor' meets their requirements.

BKB House, Goyt Valley Industrial Estate, Off Station Road, Furness Vale, High Peak, SK23 7SN.
Tel 44 (0) 1663 740120 Fax 44 (0) 1663 740121
Registered in England No.2026997 Directors: C.P.Kenyon MD, C.F.Kenyon

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