TRIDENT FOAMS LIMITED

TRIPOR TRICAST TANCAST AUTOFROTH AUTOPOR MHD

TRIPOR 247

'Tripor 247' is a low density, high index rigid foam system which is specially formulated for the discontinuous production of blocks. It can mixed by either hand or machine mix techniques.

'Tripor 247' contains no CFC's or HCFC's and therefore has an Ozone Depletion Potential (O.D.P.) of zero, and has a Global Warming Potential (G.W.P.) of 1 where Carbon Dioxide is given as a reference value of 1.

QUALITY CONTROL

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 of the system as supplied. The test should be conducted at a temperature of 20°C, using 30 grams of Component A and 36 grams of Component B mixed together in a cup of approximately 600 ml. volume, stirred intensively for 10 seconds using a bench stirrer rotating at 2000 rpm. Immediately after mixing, the chemicals are transferred to a second 600 ml cup. This ratio and the following times apply only to the small scale Q.C. test of the system as supplied, the system should be used at a ratio of 1 to 2 by weight for block manufacture.

Cream Time	25-35 seconds	(from start of mixing to start of rise)
String Time	110-130 seconds	(from start of mixing to when a thread can be drawn from rising foam with an inserted rod)
Rise Time	180-2105 seconds	(from start of mixing to end of rise)
Tack Free Time	200-250 seconds	(from start of mixing till surface can be lightly touched without foam sticking)
Density (Free rise)	30-32 kg/M^3	(weight of cups contents divided by volume of cup after removal of foam head)

FOAM MANUFACTURE

For block manufacture the Component A should be mixed with the Component B at a ratio of 1 to 2 by weight, avoid mixing in excessive amounts of air. It is vitally important that quantities are accurately measured before mixing thoroughly. After mixing for approximately 30 seconds (the exact time will depend on the intensity of mixing) the foam should be immediately transferred to the mould, best results are obtained if the mould base is at least 30 °C to minimise base holing. A floating lid may be used to produce a flatter topped block if required, the block can be removed from the mould after 20 to 30 minutes.

The foam should be processed between the temperatures of 17 - 20^0C, temperatures outside this range may give unsatisfactory results, it is recommended that the components are kept at the correct temperature for several hours before use.

The following results would be expected from block foam produced using this system:-

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Registered in England No.2026997 Directors: C.P.Kenyon MD, C.F.Kenyon

Property	Result	Test Method
Overall block density	48 - 52 kg/M^3	BS 4370 Pt.1 1988 Method 2
Core density of cut foam	45 - 50 kg/M^3	BS 4370 Pt.1 1988 Method 2

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 - 25^{0}C, but users are recommended not to hold in stock longer than necessary.

PLEASE SEE THE SEPARATE 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.

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