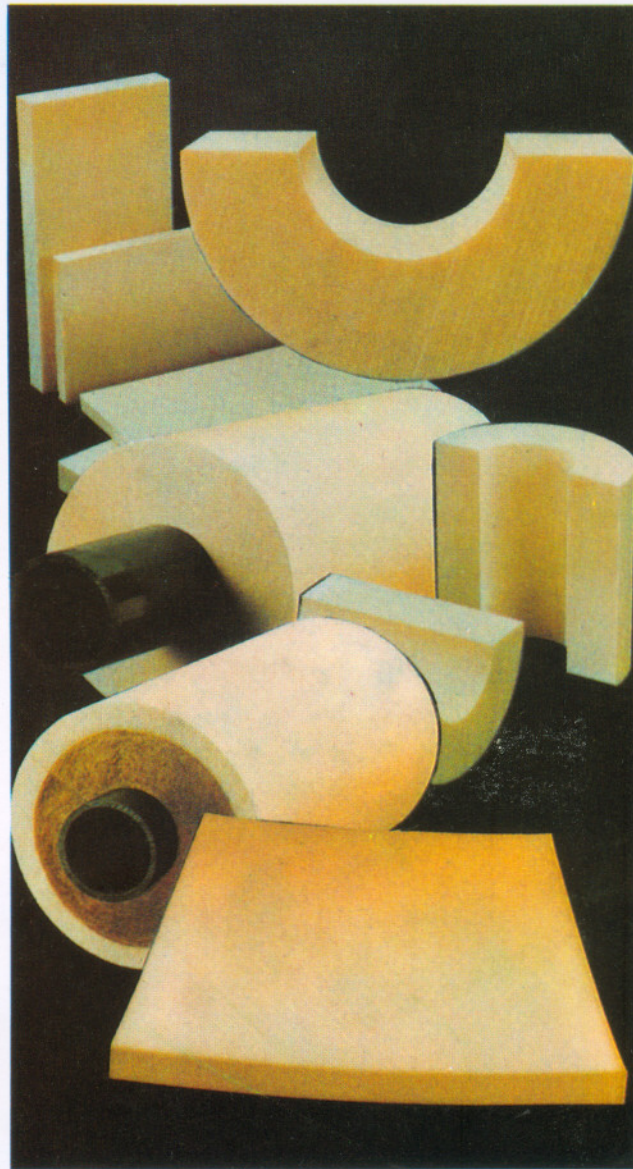


# THE MANY FACES OF SUPERFOAM



**CFC FREE**

# SUPERFOAM

## Easy-Fit Polyurethane Foam Insulation

### Superfoam Mouldable Insulation

Like other urethane foam insulants, Superfoam has low thermal conductivity, low smoke emission and low water vapour permeability.

Unlike the others, though, Superfoam has two distinctively different features. It can be factory-moulded to any shape and, for most applications, the need for a facing material is completely eliminated. Together, these features combine to make Superfoam the speediest and most convenient solution to the most difficult insulation jobs.

### Dramatically reduces installation time

Because it's mouldable to any shape, Superfoam can be ordered prefabricated in forms that fit your application precisely.

Apart from our by-now-famous slabs and pipe sections, we offer Superfoam in three other standard application formats:

#### Heavy Duty Pipe Support :

Easy to install because they are prefabricated, Superfoam supports eliminate the dependance on hard-to-find, hard-to-work and rot-prone wood.

#### Foam-plus-mineral-wool 'sandwich' pipe section :

The most elegant solution for heat-traced lines in systems operating at dual temperatures.

**Horton Sphere petals :** A double-layer overlapping system of curved 1m x 1m tiles that precisely fit a Horton sphere, enabling complete reinsulation during normal maintainance shutdowns.

With these and custom formats available on order, to suit the shape and curvatures of your equipment, installation becomes a snap. All you do is apply adhesive and fit the insulation into place.

### No facing material required

In flat-board applications, where facing material is normally not required, you get to specify the density you want. From the normal 36kg/m<sup>3</sup> that most applications require, to 90kg/m<sup>3</sup> used in our pipe saddles.

And in its custom-moulded forms, like the pipe sections or Horton sphere sections, Superfoam comes out of the factory with its own integral, scuff and water resistant skin.

Monolithic and impervious to moisture, this skin is the, natural result of our moulding process. So there's no need for extra materials or labour to add on a facing that you'd have to throw away anyway.

### An insulant for all seasons

Resistant to almost all solvents, Superfoam is compatible with cold applied adhesives, sealants and vapour-barrier mastics.

Superfoam is available in boards, pipe sections, radiused and bevelled lags, with or without factory-laminated facings.



## Superfoam's Super Specifications

- **Available Densities** - 36 ± 2 kg/m<sup>3</sup> (standard)  
Other densities available on request
- **Compression strength (in direction of rise)** - 172 kN/m<sup>2</sup> (min)
- **Thermal conductivity- 'k' value (initial) at 10°C** - Max. 0.021 W/mK (0.15 BTU-in/hr. stt. °F)  
Consult our technical assistance group for 'k' values and thickness recommendations at your operating temperatures and ambient conditions.
- **Temperature Limit** - 110°C  
(Higher for 'sandwich' pipe sections)
- **Fire Resistance Properties :**
  - **Ignitability (BS 476 Part5, 1968)** - Class 'P' (not easily ignitable)
  - **Mean extent of burn (BS 4735 1971)** - Less than 125 mm
- **Water Vapour transmission (BS 4370 Part 2, 1972)** - 5.84 x 10<sup>-3</sup> ug-m/s N
- **Closed Cell Content** - 90% (min)
- **Available Sizes** - Boards 1m x 0.5m  
Pipe Sections to suit 50 to 250 mm NB x 0.5 m long. Other sizes available on request.  
Custom-moulded shapes to suit columns and Horton spheres.  
Thickness from 25 to 100 mm.

The system is 'CFC FREE' and has been designed within the guide lines of the Montreal Protocol, 1987, for the protection of the Ozone layer.



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