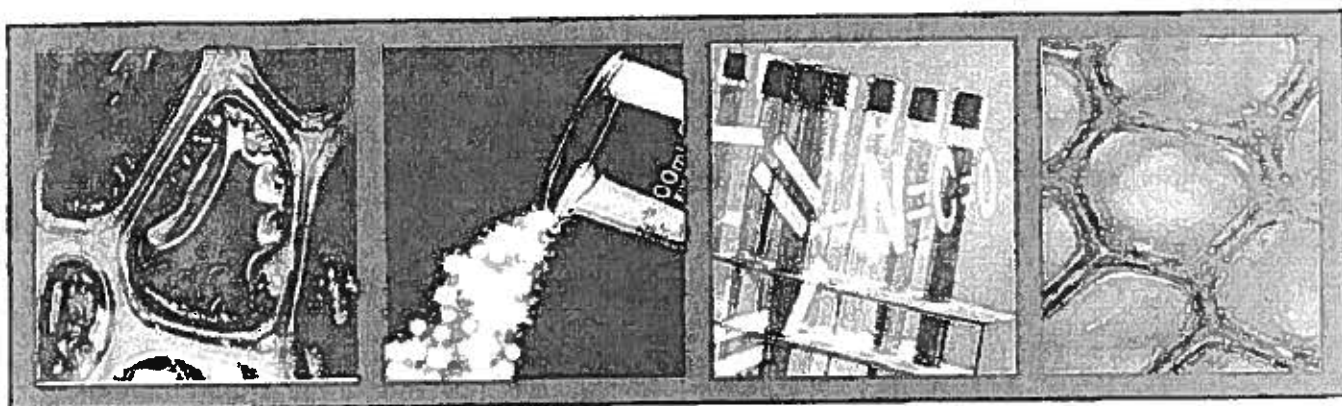


Technical Information



Envirofoam 16.425

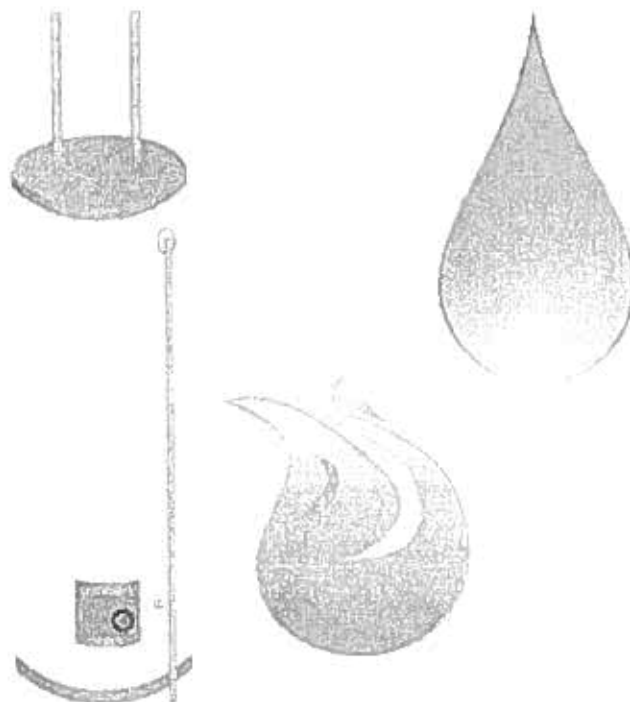
An Insulation Foam with Low Global Warming Potential



Envirofoam 16.425 is a low-density polyurethane foam for the insulation of water heaters. It is also suitable for the production of cold-room and general building panels as well as for refrigerated vehicles manufactured on a modular panel basis.

Envirofoam 16.425 has been extensively evaluated in combination with steel substrates and has been found suitable for use in panel presses having no internal heating arrangements. Adhesion and density distribution are excellent provided the temperature of the substrate is no lower than 15°C. Higher temperatures give improved performance. Tests should be carried out in order to determine its suitability for a specific application.

Envirofoam 16.425 contains no HCFCs, so is ideal for applications where environmental issues are of utmost importance. It has an Ozone Depletion Potential (ODP) of zero and a Global Warming Potential (GWP) of 0.7.



**Quality Chemicals
for the
Polyurethane Industry**



Typical Properties of Envirofoam 16.425

Appearance	Resin	Clear, blue liquid
	Isocyanate	Brown liquid
Storage Temperature	Resin	15-25°C
	Isocyanate	15-25°C
Specific Gravity (20°C)	Resin	1.09 g/cm ³
	Isocyanate	1.24 g/cm ³
Viscosity (25°C)	Resin	260 mPa.s
	Isocyanate	240 mPa.s
Mix Ratio (w/w)	Resin	100
	Isocyanate	167
Cream Time	100g @ 20°C	21 secs
Gel Time	100g @ 20°C	140 secs
Free-Rise Density	Overall	40 kg/m ³
In-Place Density	Overall	55 kg/m ³
Compressive Strength @ 10% Compression	kPa	234 @ 55 kg/m ³ Core Density
Thermal Conductivity	Initial	0.0245 W/mK
Tensile Adhesion	To steel	240 kPa
Global Warming Potential		0.7
Flammability	BS 4735	<125 mm mean extent of burn
Cure Time	50 mm thickness	25 minutes
	80 mm thickness	35 minutes
Dimensional Stability	-15°C, 7 days	Zero volume change

Whilst every effort is made to ensure it's accuracy, the data held on this sheet is meant for informational purposes only. The typical properties listed are the result of extensive laboratory tests, but since IFS Chemicals Ltd has no control over the end use of each material, the Company cannot guarantee that these results will be obtained in practice. Users should conduct their own tests to determine the suitability of each material for its intended application.

IFS/01/10/Rev 3