



## PRODUCT DATA SHEET

# WINTHANE PUR FOAM

## CFC FREE RIGID PUR INSULATION PRODUCT

### PRODUCT DESCRIPTION

WINTHANE PUR FOAM is a fully bonded (one) blowing agent, PIR rigid polyurethane foam system. This product is designed for HCFC 141b blow blocks and other in situ filling applications. This product contains flame retardant, giving foam with a minimum fire rating of B2 standard according to DIN 4102.

### APPLICATIONS

WINTHANE PUR FOAM has many diverse applications especially within the Oil & Gas, Petrochemicals, Cryogenic Industries, Refrigeration and General Insulation industries. It is used for Pipe, Vessel and Tank Insulation in the process plants and Insulation of Food industries.

WINTHANE PUR FOAM is also ideal for moulding and various shapes can be produced as features or for insulation of large quantities of irregular objects. Nozzle pipe section, large elbow and large flange are regularly used for pipe insulation.

### PRODUCT FEATURES

- CFC free
- Flame rating is U2 rating (DIN 4102)
- Good thermal performance
- Strong Elastic Capacity





## PRODUCT DATA SHEET

# WINTHANE PUR FOAM

## GFC FREE RIGID PUR INSULATION PRODUCT

### PRODUCT CONFIGURATIONS

- Standard Density
- Joints
- Cur Pipe Section, Segments and Bonds

32, 35, 40 kg/m<sup>3</sup>

Standard Board 1220 x 2440 x Max 300 mm Thickness

For all sizes up to 20" NB suitable in half sections.

For size over 20" NB use Vented or Equipment between 500 mm and 600 mm. Diameter shall be in curved and beveled segments having a width on the outside radius or minimum of 450 mm.

### ELBOW SECTION



Other sizes shall be available upon consulting to Wintherms

### PHYSICAL PROPERTIES

Property	Test Standard	Unit	Value		
Blowing Agent					
Weight Density		Kg/m <sup>3</sup>	32	35	40
Core Density	ASTM D1677	Kg/m <sup>3</sup>	32	35	40
Compressive Strength - Parallel	ASTM D1621	kPa	100	200	240
Dimensional Stability 24 hours exposure @ -25°C @ 100°C	ASTM D6158	% Change in mass	-0.3 -2.1	-0.3 -2.6	-0.3 -2.8
Thermal Conductivity At a mean temperature of 25°C	ASTM C578	W/m.K	0.024	0.025	0.026
Closed Cell Content	ASTM D2056	%	92	92	96
Water absorption (immersion)	ASTM D6846	kg/m <sup>2</sup> surface	1.0	1.2	1.2
Flammability	DN 4162		B2	B2	B2
Fire Resistance - Mean Burn Length - Mean Burn Time	BS 4735	mm sec	30 31	30 31	30 31
Service Temperature		°C	-100°C to 90°C		

### STORAGE & HANDLING

The materials are sensitive to sunlight and humidity. When store outside, care must be taken to protect and covered with weather protection. Avoid not too often sizes handling that will not cause any deformation and physical shape.

This is a general document, it is not a contract. It is only a guide for information and should not be used for a purpose without consulting to Wintherms.