



## **EUROCLASS B-s2,d0**

**HALOGEN FREE**

CFC, HCFC free and GWP Zero, this halogen free and PVC free insulation is a flexible elastomeric foam (FEF) material protected with a mineral fibre covering, extremely resistant to mechanical abuse and UV Radiation. Suitable for external applications with a classification of **EUROCLASS B-s2,d0**, which allows a wide range of applications for the product by combining the specific characteristics required for shipyard with those which are beneficial in a wide range of industrial, commercial and institutional applications.



advanced elastomeric thermal and acoustic insulation materials



**Type of material:** Black closed-cell flexible elastomeric foam (FEF) covered with a mineral fibre based jacketing with a black or matt aluminium external quality finish. Does not contain halogens (Chlorine, Bromine, Fluorine) and PVC.

**Product range:** Sheets in roll (also in a self-adhesive version) in thicknesses from 6 to 32 mm.


**Fields of application:** Thermal insulation of refrigeration and air-conditioning services in industrial, commercial and institutional applications. Especially suitable for Marine and Civil Engineering applications working at high temperature, where a higher standard of safety in case of fire is required.

**Dimensional tolerances:** In accordance with the European Standard EN 14304.

**Environmental Information:** CFC and HCFC-free flexible, expanded rubber foam. It does not damage the ozone layer (ODP zero) and does not contribute to the greenhouse effect (GWP zero).

**Additional information:** Self-adhesive material: the self-adhesive coating is based on modified acrylate-reinforced with mesh structure. Protection liner made of polyethylene. Traces of silicon can be found on the foil protecting the self-adhesive coating.

**Storage conditions/shelf life:** Store the material in a dry and clean environment at a temperature between 0 °C and 35 °C and a RH between 50% and 70%. Does not expose the material to heat or direct sunlight before installing. Self-adhesive sheets should not be kept in storage for more than one year.

PHYSICAL PROPERTIES	RESULT OBTAINED	TEST METHOD
Operating temperature range*	-45 °C +130 °C	EN 14706
Thermal conductivity $\lambda$ At a mean temperature of + 40 °C	$\leq 0,040$ W/m·K	EN 12667
Water vapour diffusion resistance factor ( $\mu$ )	$\geq 10000$	EN 12086
Fire performance European standard	B-s2,d0	EN 13501-1
Shipyards (MED)  Type Approval: Lloyd's Register, Rina	Meets test requirements	IMO Res. MSC.307(88); IMO MSC/Circ. 1004 (Directive MED 2014/90/UE Modules B and D)
Ozone resistance	Excellent	ISO 7326
UV resistance	Excellent	DIN 1988 Part 7 - EN 13468

CHARACTERISTICS OF THE COVERING

PHYSICAL PROPERTIES	UNIT OF MEASURE	REFERENCE VALUES
Total thickness	$\mu\text{m}$	approx. 200
Weight	$\text{g}/\text{m}^2$	approx. 250

External finishing colour: black or matt aluminium

\*NB: for applications at lower temperature please contact our technical department.

For information regarding the chemical resistance of the product please consult the specific technical documentation.

For self-adhesive sheets, the maximum operating temperature is +90 °C. For applications at higher temperature please contact our technical department.

**System 1 CE Marking** in accordance with the European Standard EN 14304.  
Certification of Constancy of Performance issued by CSI S.p.A. - Bollate IT-20021.

All the normatives quoted in this document are updated to the latest issued versions.

Union Foam S.p.A. reserves the right to modify any information at any time without prior notice.

## EUROBATEX® High Technology

CONTINUOUS ROLLS - WIDTH = 1000 mm WITH BLACK OR MATT ALUMINIUM COLOURED EXTERNAL FINISHING

### PRODUCT RANGE

Thickness (mm)	Item no.	Roll (m <sup>2</sup> /ct)
6	06 EUHFR GLAS B	30
10	10 EUHFR GLAS B	20
13	13 EUHFR GLAS B	14
19	19 EUHFR GLAS B	10
25	25 EUHFR GLAS B	8
32	32 EUHFR GLAS B	6

Thickness (mm)	Item no.	Roll (m <sup>2</sup> /ct)
6	06 EUHFR GLAS	30
10	10 EUHFR GLAS	20
13	13 EUHFR GLAS	14
19	19 EUHFR GLAS	10
25	25 EUHFR GLAS	8
32	32 EUHFR GLAS	6



MATT ALUMINIUM FINISHING



BLACK FINISHING

### SELF-ADHESIVE SHEETS - WIDTH 1000 mm

Thickness (mm)	Item no.	Roll (m <sup>2</sup> /ct)
6	06 EUHFR GLAS B AD	30
10	10 EUHFR GLAS B AD	20
13	13 EUHFR GLAS B AD	14
19	19 EUHFR GLAS B AD	10
25	25 EUHFR GLAS B AD	8
32	32 EUHFR GLAS B AD	6

Thickness (mm)	Item no.	Roll (m <sup>2</sup> /ct)
6	06 EUHFR GLAS AD	30
10	10 EUHFR GLAS AD	20
13	13 EUHFR GLAS AD	14
19	19 EUHFR GLAS AD	10
25	25 EUHFR GLAS AD	8
32	32 EUHFR GLAS AD	6

### GLASTECH - SELF ADHESIVE TAPE

Item no.	Description	pcs/ct
NC GLAS B 50x25	matt ALUMINIUM tape, 50 mm x 25 m	1
NC GLAS N 50x25	BLACK tape, 50 mm x 25 m	1

### CNX ADHESIVE

Item no.	Description	pcs/ct
CNX 850	850 g tin - 1000 ml	12
CNX 425	425 g tin - 500 ml	24
CNX 200	200 g - 225 ml tin including brush	24
CNX S 850	850 g - 1000 ml tin	12

# EUROBATEX<sup>®</sup> High Technology

## DIMENSIONAL TOLERANCES SPECIFIED BY EUROPEAN PRODUCT STANDARD EN 14304

Form of delivery	Length	Width	Thickness		Squareness	Inside diameter	
			Declared	Tolerance		$D_i \leq 100$	$D_i > 100$
Tubes	$\pm 1,5\%$	-	$d_D \leq 8$	$\pm 1$	3,0 mm	$D_{iD} + 1 \leq D_i \leq D_{iD} + 4$	$D_{iD} + 1 \leq D_i \leq D_{iD} + 6$
			$8 < d_D \leq 18$	$\pm 1,5$	-		
			$18 < d_D \leq 31$	$\pm 2,5$	-	-	
			$d_D > 31$	$\pm 3$	-	-	
Sheets	$\pm 1,5\%$	$\pm 2\%$	$d_D \leq 6$	$\pm 1$	3,0 mm/m (length/width)	-	-
			$6 < d_D \leq 19$	$\pm 1,5$	-		
			$d_D > 19$	$\pm 2$	3,0 mm (thickness)		
Rolls	+ 5% - 1.5%	$\pm 2\%$	$d_D \leq 6$	$\pm 1$	3,0 mm/m (length/width)	-	-
			$6 < d_D \leq 19$	$\pm 1,5$	-		
			$d_D > 19$	$\pm 2$	3,0 mm (thickness)		
Tapes	+ 5% - 1.5%	$\pm 2\%$	$d_D = 3$	- 0.1 + 1,5	-	-	-



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