

EFYOS BLUE A

TECHNICAL DATA SHEET

ANZ-TDS-69-EFYOS BLUE A



INSULATION

APPLICATIONS

ROOFS

DESCRIPTION

EFYOS BLUE A is a high performance thermal insulation board. It is composed of closed-cell polyisocyanurate (PIR) / polyurethane (PUR) foam laminated on both sides with a textured aluminium facer providing superior fire resistance. The blue upper-facing provides a glare-free surface easing the installation process.

EFYOS BLUE A is mainly use as thermal insulation for SOPREMA bitumen, PVC and TPO roofing systems. It is biologically and ecologically harmless, it is manufactured without the use of CFCs, HCFCs and HBCDs.

EFYOS BLUE A is also available in tapered insulation.

Compliance with AS/NZS 4859.1

High compressive strenght

Excellent dimensional stability

Superior fire resistance

Great moisture resistance

FIELD OF APPLICATION

EFYOS BLUE A is recommended for roofs and decks, protected against weathering by waterproofing membranes, with high pressure resistance.

INSTALLATION PROCEDURE

APPLICATION:

EFYOS BLUE A boards are mechanically fastened with screws and stress plates or adhered with DUOTACK adhesive.

The waterproofing membrane system can be loose-laid under ballast, mechanically fastened, self-adhered or adhered with cold adhesive.

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

PACKAGING

SPECIFICATIONS	EFYOS BLUE A
Board thickness	50, 60, 80, 100, 120, 140, 160 mm
Board dimensions	1200 mm x 600 mm or 2400 mm x 1200 mm (starts at 60 mm thickness)
Board dimensions with all-round rebate	1185 mm x 585 mm or 2385 mm x 1185 mm (starts at 60 mm thickness)
Edge finishing	Straight edge or with all-round rebate
Board finishing	Aluminium on both sides
Colour	Blue upper facing / Silver under facing

PRODUCT R VALUE

THICKNESS	R VALUE
50 mm	R 2.27
60 mm	R 2.73
80 mm	R 3.64
100 mm	R 4.55
120 mm	R 5.45
140 mm	R 6.36
160 mm	R 7.27



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PROPERTIES

PROPERTIES	TEST METHOD	EFYOS BLUE A
Designation	DIN EN 13165:2012 +A2:2016	Polyurethane-rigid foam (PU) EN 13165-T2-DS(70,90)3-DS(-20,-)1-CS(10\Y)150-TR40
Density	DIN EN 1602	> 28 kg/m ³
Thermal conductivity (with thickness ≥ 40 mm)		
Value D	DIN EN 13165:2012+A2:2016	0,022 W/(m·K)
Rated value	DIN 4108-4:2017	0,023 W/(m·K)
Compressive Strength		
Compressive strength at 10 % deformation	DIN EN 826	≥ 150 kPa
Compressive strength at 2 % deformation	DIN EN 826	≥ 30 kPa
Tensile strength perpendicular to the plane of the plate	DIN EN 1607	≥ 40 kPa
Temperature resistance	/	-20 until +110, briefly until +250 °C
Water absorption	DIN EN 12087	≤ 3 Vol %*
Ignitability, Flame Spread, Heat Release, Smoke Release	AS 1530.3	0 0 0 2
Fire class	DIN EN 13501-1	E
Specific heat capacity	EN 12524	1400 J/(kg·K)*
Water vapor diffusion - resistance PU	EN 12086	40-200 μ*
Linear Expansion coefficient	DIN EN 1604	5-8·10 ⁻⁵ 1/K*

* Manufacturer declared values – not part of the external monitoring and factory production control

STORAGE AND HANDLING

Do not throw, use shockproof transport. Must be stored in a dry condition and protected from direct weathering.

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, their representative or the contractor is responsible for checking the suitability of products for their intended use.



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NOTE : All products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

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