



AZUR INSULATION

Smart Supply



AZURFLEX

Flexible Elastomeric Foam

SMART SUPPLY OF
TECHNICAL INSULATION





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About Us

AZUR INSULATION

Azur Insulation has been founded in 2019 with the clear goal of fulfilling the high quality product and service needs of its customers spreading around the world. The founders have over 25 years of profound experience on production, distributor management, supply chain management, international logistics, trade regulations and competition as well as relevant product certification practices in global and local levels. Azur Insulation is an Entaş Endüstriyel A.Ş affiliate and headquartered in Istanbul/Turkey.

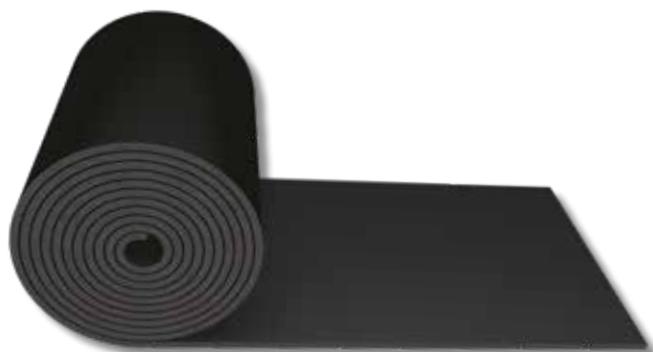
The company has segmented its activities mainly on technical & building insulation and HVAC-R equipments. Existing and potential customers of Azur Insulation comprise direct importers and distributors, wholesalers and MEP contractors which constantly utilize products and services from a reliable source within a sustainable fruitful relation.

Exceptional functional, operational and technical expertise coupled with extensive industry knowledge makes Azur Insulation the ideal choice for a service and product provider company targeting long term collaboration with its customers.



AZURFLEX ROLLS

AZURFLEX flexible elastomeric foam rolls are available in different thicknesses and width. Low thermal conductivity, high water vapour diffusion resistance and B-s3-d0 fire resistance make it the most preferred insulation material in mechanical installations. Besides standard rolls, AZURFLEX rolls are produced in alu foiled, pvc/alu foiled and self-adhesive layers for protection against UV rays and efficient installation.



Technical Details	Standard	Unit	AZURFLEX Rolls
Thermal Conductivity Coefficient (λ)	EN 12667	W/m.K	0,032 (-20°C)
		W/m.K	0,034 (0°C)
		W/m.K	0,036 (20°C)
		W/m.K	0,038 (40°C)
		W/m.K	0,040 (+60°C)
Water Vapour Diffusion Resistance	EN 12086		$\mu \geq 7000$
Classification of Reaction to Fire	EN 13501-1		B – s3 – d0
Service Temperature	EN 14706	°C	-40 / +85
Soluble Chlorine Ion Levels	EN 13468		500
pH			6 – 8
Flexibility			Perfect
Ozone			Good
Percentage of Closed Cells		%	>90
Resistance to Chemical (Oils, Mineral Oils)			Good
Mold and Odor Formations			N / A
Outdoor applications	Needs protection against UV-radiation*		

(*): To protect against UV-induced deterioration AZURFLEX covered with a suitable UV resistant cladding system within 3 days of being installed outdoors.



AZURFLEX ROLLS



Flexible Elastomeric Foam
Insulation Rolls

AZURFLEX SA



Self -Adhesive Flexible Elastomeric
Foam Insulation Rolls

AZURFLEX AF



Aluminium Foil Faced
Flexible Elastomeric Foam Rolls

AZURFLEX AF - SA



Aluminium Foil Faced Self-Adhesive
Flexible Elastomeric Foam Rolls

AZURFLEX AC



PVC + Aluminium Foil Faced
Flexible Elastomeric Foam Rolls

AZURFLEX AC - SA



PVC + Aluminium Foil Faced Self-Adhesive
Flexible Elastomeric Foam Rolls



AZURFLEX
Flexible Elastomeric Foam

ROLLS

Product Range

mm	1 mt	1,2 mt	1,5 mt
	m ² /Roll	m ² /Roll	m ² /Roll
6	30	36	45
9	24	28,8	36
10	20	24	30
13	14	16,8	21
19	10	12	15
25	8	9,6	12
32	6	7,2	9
40	4	4,8	6
50	4	4,8	6



Product Size Tolerances

Product	Height Tolerance	Width Tolerance	Thickness Tolerance		Pipe Inner Diameter (Di)	
			Thickness Range (mm)	Tolerance (mm)	Di ≤ 100	Di > 100
AZURFLEX Rolls	±%1,5	±%2	dD ≤ 6	± 1	-	-
			6 < dD ≤ 19	± 1,5		
			dD > 19	± 2		

Comply with EN 14304 standard

Logistic Information

Packing	Width (cm)			Volume (m ³)					
LDPE Bag	100			0,255					
	120			0,305					
	150			0,385					
Vehicle	Truck			T.I.R			40 HC Container		
Volume	45 m ³			84 m ³			76 m ³		
Width (cm)	100	120	150	100	120	150	100	120	150
Quantity (rolls)	170 - 180	140 - 150	110 - 120	325 - 335	270 - 280	215 - 225	280 - 290	230 - 240	180 - 190

*Please ask for different package options.



AZURFLEX TUBES

AZURFLEX flexible elastomeric foam tubes are produced in different diameters and thickness for the purpose of proper and efficient installation. Also AZURFLEX tubes comply with BL-s2-d0 fire resistance standard. AZURFLEX tubes are widely used on refrigeration and air-conditioning pipework. AZURFLEX tubes are also used on hot/cold-water lines and chilled water systems



Technical Details	Standard	Unit	AZURFLEX Rolls
Thermal Conductivity Coefficient (λ)	EN 12667	W/m.K	0,039 (25°C)
		W/m.K	0,039 (40°C)
		W/m.K	0,040 (60°C)
		W/m.K	0,041 (80°C)
Water Vapour Diffusion Resistance	EN 12086		$\mu \geq 7000$
Classification of Reaction to Fire	EN 13501-1		BL – s2 – d0
Service Temperature	EN 14706	°C	Max.+120
Soluble Chlorine Ion Levels	EN 13468		500
pH	EN 13468		6 – 8
Flexibility			Perfect
Ozone			Good
Closed Cell Percentage		%	>90
Percentage of Closed Cells			Good
Mold and Odor Formations			N / A
Outdoor applications			Needs protection against UV-radiation*



Excellent Thermal Insulation



High Water Vapor Diffusion Resistance



Fire Safety



CFC-HCFC Free



Excellent Foam Cell Technology (EFCT)



Fiber Free



High Flexibility



Eco-Friendly



Energy Saving



User Friendly Installation

TUBES



Product Range

Copper inch	Steel inch	mm	6 mm	9 mm	13 mm	19 mm	25 mm	32 mm
			mt/Box	mt/Box	mt/Box	mt/Box	mt/Box	mt/Box
1/4"		6	496	312	204			
5/16"		8	432	300	200			
3/8"	1/8"	10	364	276	180	98		
1/2"		12	316	252	156	88		
5/8"		15	266	204	120	78		
3/4"	3/8"	18	220	178	120	72	62	
7/8"	1/2"	22	180	136	98	66	56	28
1"		25 *	160	144	92	62	50	24
1 1/8"	3/4"	28	130	122	78	56	48	24
1 3/8"	1"	35	120	90	70	40	34	26
1 5/8"	1 1/4"	42	102	94	60	40	24	20
	1 1/2"	48		80	50	34	24	18
2 1/8"		54 *		62	40	34	24	16
2 3/8"	2"	60		62	40	34	20	16
		64 *		62	38	28	18	14
3"	2 1/2"	76		50	38	28	18	12
3 1/8"		80 *		48	34	22	18	12
3 1/2"	3"	89		48	34	22	18	12
		102 *		38	28	20	14	10
4 1/4"		108 *		32	26	12	14	8
4 1/2"	4"	114		32	26	18	14	10

Product Size Tolerances

Product	Height Tolerance	Width Tolerance	Thickness Tolerance		Pipe Inner Diameter (Di)	
			Thickness Range (mm)	Tolerance (mm)	Di ≤ 100	Di > 100
Tube (Standard)	±%1,5	-	dD ≤ 8	± 1	Di+1 ≤ Di ≤ Di +4	Di+1 ≤ Di ≤ Di +6
			8 < dD ≤ 18	± 1,5		
			18 < dD ≤ 31	± 2,5		
			dD > 31	± 3		

Comply with EN 14304 standard

Logistic Information

Carton Box	Volume (m ³ / Box)
380 X 330 X 2090 mm	0,262
Vehicle	40 HC Container
Volume	84 m ³
Quantity (rolls)	270 box

*1,80 mt Tubes are available.

*Please ask for MOQ.



AzurBond is a contact adhesive with high adhesion strength.

Applicable between 5 to 38 °C
environmental temperature.

(Resistant till 70° C)

*Please ask for different package options.



RUBBER AZURTAPE

Rubber AzurTape is used in order to join airducts and rubber rolls.
Besides, it is widely used in all rubber insulation applications.

Dimensions

3 x 50 mm x 15 mt

3 x 70 mm x 15 mt

3 x 100 mm x 15



PVC AZURTAPE

PVC AzurTape is used to cover the joining points of tubes
and rolls.

Dimensions

50 mm x 25 yrd



Aluminium Plain and Reinforced Tapes

Dimensions

50 mm x 30 mt

75 mm x 30 mt

100 mm x 30 mt





AZUR SOUND
Acoustic Foam

AZUR SOUND: Polyurethane based open cell product which uses for sound insulation and acoustic regulation. Having various variations such as Plain, Corrugated and Pyramid, AZUR SOUND is used mainly for air ducts, generator and compressor booths, indoor applications as fabric coated, acoustic insulation and regulation in automotive, with its open cell structure, flexibility and non-flammability features. Several lamination options, such as fabric, aluminium foil and artificial leather are available.



Technical Specifications

AZURSOUND

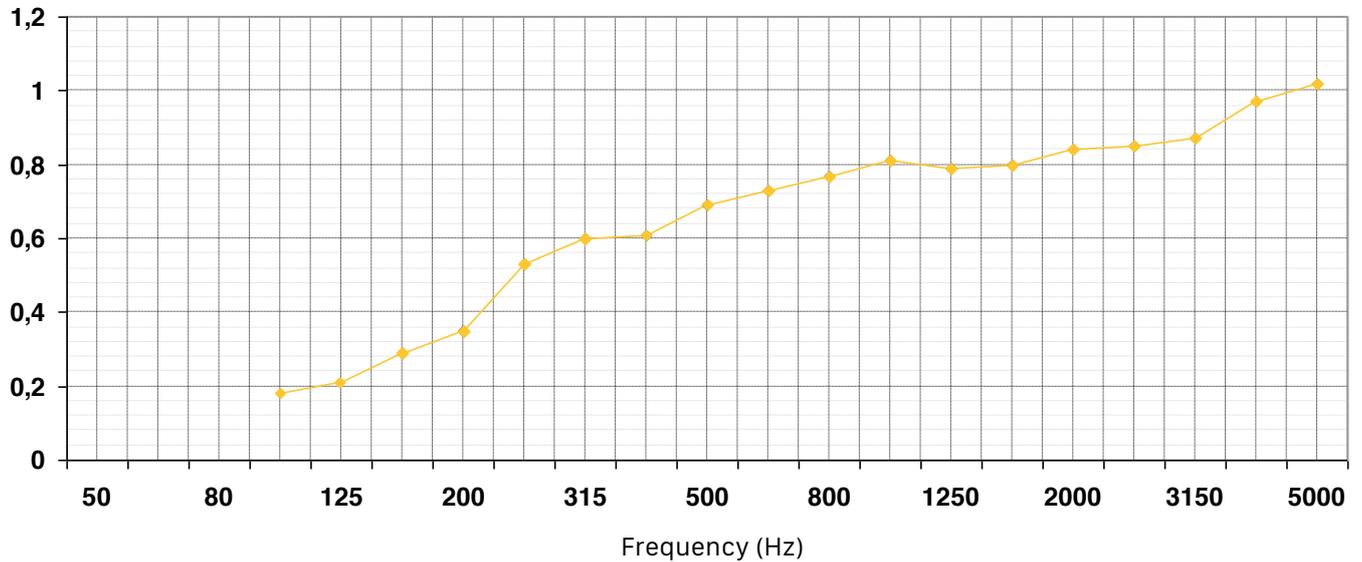
FEATURE	VALUE	UNITS	STANDARD
Density	Kg/ m ³	50 ± 5	–
Hardness	N	125	ISO 2439(ILD%40)
Tensile Strenght	kPa	> 80	ISO 1798
Therman Conductivity	W/mK	0,04	ISO 1798
Burning Behaviour	–	MVSS 302	SE

AZU SOUND PLUS

FEATURE	VALUE	UNITS	STANDARD
Density	Kg/ m ³	80 ± 10	–
Hardness	N	125	ISO 2439(ILD%40)
Tensile Strenght	kPa	> 80	ISO 1798
Therman Conductivity	W/mK	0,048	ISO 1798
Burning Behaviour	–	BS 476 Part 6/7	Class 0



Sound Absorption Values

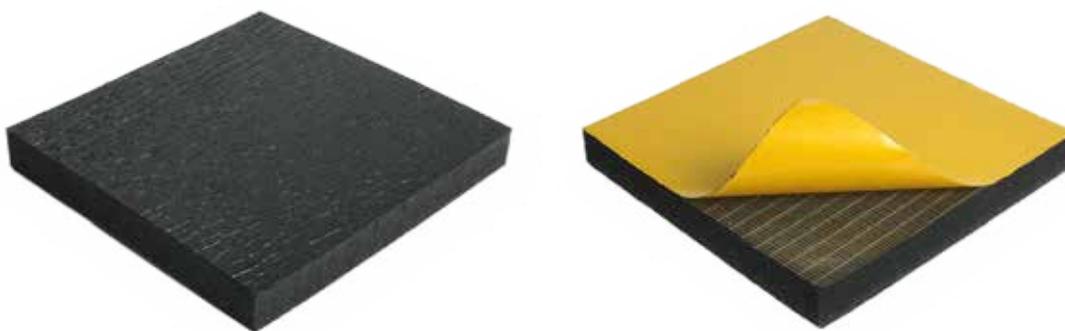


50 mm AZUR SOUND sound absorption rating according to EN ISO 354

Lamination

SA-Y	: Self adhesive
PU Film	: Black film lamination
ALU	: Aluminium/Polyster lamination

For special lamination variations please contact us.



Packaging Details

Wall Thickness (mm)	Width (mm)	Volume (m ² /Roll)
6	1000	30
10		20
15		15
20		10
25		10
50		5



AZUR SOUND
Recycled Rubber

The impact sound insulation product prevents sound pass between floors in buildings. Besides, it contributes to heat insulation with its low heat conductivity. It is applied practically under coverings such as under screed, carpet, parquet, ceramics. With a thickness of 5 and 8/4mm, it gives silence in layers and comfort in structures.



Physical Characteristics	Standard	Unit	Recycled Rubber Underlayment
Thickness	-	mm	5 - 8/4 - 17/8
Width & Length	-	m&m	1x10
Heat Transmission Coefficient (λ)	TS EN 12667	W/mK	0.045

Technical Characteristics

Dynamic Stiffness (S')	TS EN 29052-1:1996	MN/m ³	≤23
Impact Reduction Performance (ΔL_w) Under Hardwood Floor	TS EN ISO 10140-3		21 - 23
Impact Reduction Performance (ΔL_w) Under Screed	TS EN ISO 717-2	dB	30
Impact Reduction Performance (ΔL_w) Under Screed	TS EN 12354-2		
Impact Reduction Performance (ΔL_w) Under Screed	TS EN ISO 10140-3	dB	20
Impact Reduction Performance (ΔL_w) Under Screed	TS EN ISO 717-2		
Fire Resistance	TS EN 13501-1	-	Bfl S2
Sound Absorption Coefficient	ISO 10534-2	Sabine	0.74 - 500 Hz
Service Temperature	-	-	-40°C / +85°C



Azurflex CE Certificate



TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p.
Technical and Test Institute for Construction Prague, SOE

Akreditovaná zkušební laboratoř, Autorizovaná osoba, Notifikovaná osoba, Oznamovaný subjekt, Subjekt pro technické posuzování, Certifikační orgán, Inspekční orgán • Accredited Testing Laboratory, Authorized Body, Notified Body, Technical Assessment Body, Certification Body, Inspection Body • Prosecká 811/78a, 190 00 Praha 9 - Prosek, Czech Republic

Notified Body 1020

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1020 – CPR – 010042233

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR) and Commission Delegated Regulation (EU) No 568/2014, this certificate applies to the construction product:

Thermal insulation products for building equipment and industrial installations - Factory made flexible elastomeric foam (FEF) products

type / variation:

AZURFLEX ROLL (Rtf : B-s3-d0, Thickness: 6-50 mm)

AZURFLEX TUBE (Rtf : BL-s2-d0, Thickness: 6-32 mm)

placed on the market under the name or trade mark of

Azur Yalıtım Sanayi ve Ticaret A.Ş.

Saray Mahallesi Küçüksu Caddesi No:64/A

Antasya Residence Daire:90 Ümraniye / İstanbul TURKEY

and produced in the manufacturing plant:

PLANT No. 1

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

EN 14304:2009+A1:2013

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

constancy of performance of the construction product.

This certificate was first issued on **8 January 2020** and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

The stamp of the Notified Body 1020

Prague, 8 January, 2020




Ing. Iveta Jiroutová
Deputy manager of the Notified Body



AZUR INSULATION
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Azur Yalıtım Sanayi ve Ticaret Anonim Şirketi

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