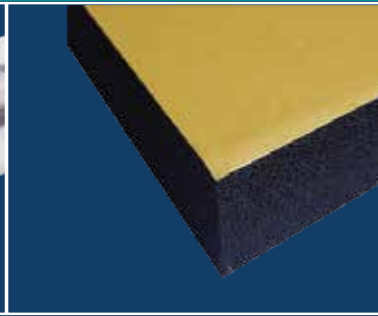
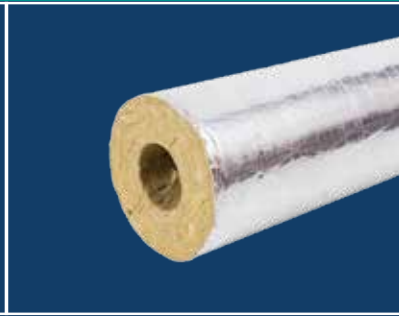
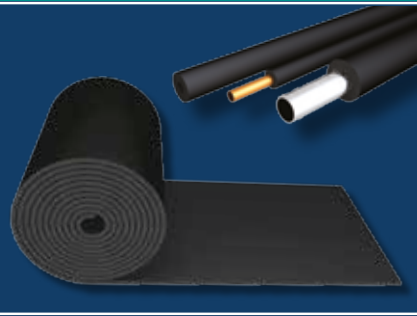




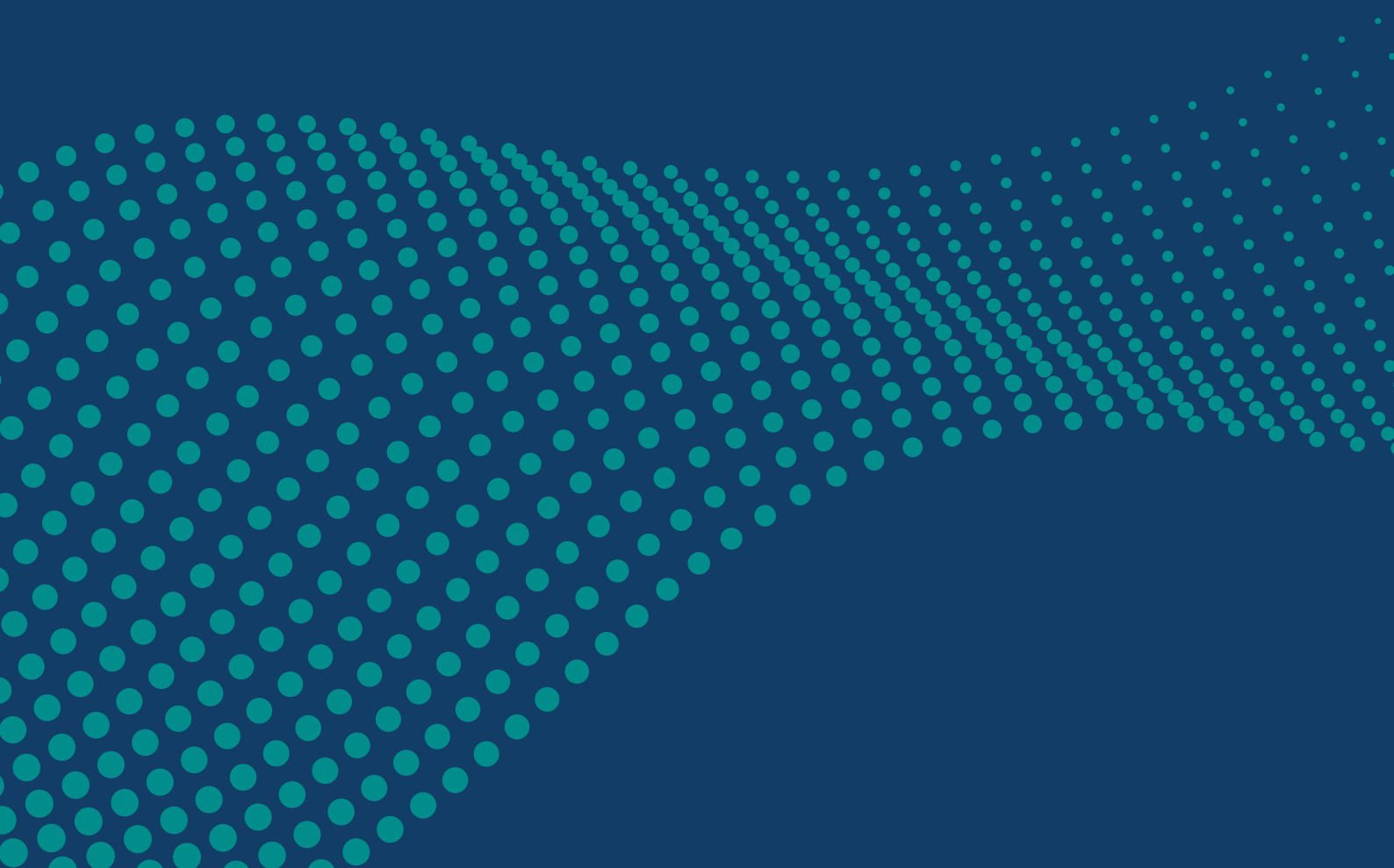
AZUR INSULATION
Smart Supply

SMART SUPPLY OF TECHNICAL INSULATION





AZUR INSULATION
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About Us

AZUR INSULATION

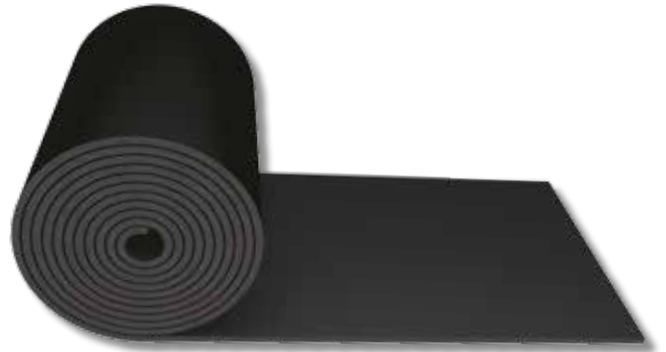
Azur Insulation has been founded in 2019 with the clear goal of fulfilling the high quality product and service needs of its customers spreading around the world. The founders have over 25 years of profound experience on production, distributor management, supply chain management, international logistics, 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.

AZUR FLEX ROLLS

Azur Flex 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, Azur Flex 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	Azur Flex 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 Azur Flex covered with a suitable UV resistant cladding system within 3 days of being installed outdoors.



AZUR FLEX TUBES

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



Technical Details	Standard	Unit	Azur Flex 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



AZURBOND
Adhesive

Azur Bond is a contact adhesive with high adhesion strength.

Applicable between 5 to 38 °C
environmental temperature.

(Resistant till 70° C)



AZURTAPE

RUBBER AZUR TAPE

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 AZUR TAPE

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

Dimensions

50 mm x 25 mt





BLANKETS

The AZUR WOOL Blanket Group is manufactured in the thermal conductivity range of $\lambda = 0.032-0.044$ W/(m.K).

AREAS OF USE

- All types of wooden free standing roofs and metal roofs,
- Attic floors,
- Sandwich roof systems,
- Solar energy systems,
- Animal shelters,
- Prefabricated structures,
- HVAC systems.



ADVANTAGES

- It is used for thermal insulation, sound insulation, acoustic design, and for the purposes of fire safety.
 - Its classification as a "Class A1 Non-Combustible" (TS EN 13501-1) material is a very significant advantage for fire safety.*
 - It easily conforms to all types of wooden and metal roofs.
 - Since it is lightweight, it is very easy to lift up to the roof and to cut and install.
 - Glass wool blankets covered on one side with aluminum foil provide high thermal and sound insulation in air conditioning and ventilation ducts.
 - Due to the properties of glass wool, it does not tear or produce wastage during installation.
 - It does not degrade, decompose, become mouldy in time.
 - Thanks to its natural content, it does not degrade and is user friendly.
 - It is EUCED certified as not harmful to human health;
 - With its EPD Document, it furnishes additional scores for buildings wishing to obtain LEED, BREEAM, DGNB, etc. certification.
- * Unfaced types.

Property	Unit	AZURWOOL BLANKET GROUP					
		AZURWOOL 044	AZURWOOL 042	AZURWOOL 040	AZURWOOL 037	AZURWOOL 035	AZURWOOL 032
Type	-						
Thickness	mm	100	40-105	25-140	25-180	25-180	25-180
Fire Response	Euro Class	A1					
Thermal Conductivity (λ) (10°C)	W/(m.K)	0.044	0.042	0.040	0.037	0.035	0.032
Thermal Resistance (R)	(m2K)/W	2.25	0.95-2.5	0.60-3.5	0.65-4.85	0.70-5.10	0.75-5.60
Water Vapor Permeability (μ)	-	1.1					
Maximum Service Temperature	°C	250					

LAMINATION TYPES

AZURWOOL blanket can be used with various types of facing.

YGT	Yellow Glass Tissue	Weight (gr/m ²) 30 - 40	Fire Class (TS EN 13501) A1	
BGT	Black Glass Tissue	Weight (gr/m ²) 60 -75		
FSK	Foil Scrim Kraft	Weight (gr/m ²) 90 - 110	Aluminum Foil Thickness (micron) (2)18	Fire Class (TS EN 13501) A1
CLASS 0	Class 0 Alu	Weight (gr/m ²) 80 - 95		
WGF	Woven Glass Fabric	Weight (gr/m ²) 120 -130	Fire Class (TS EN 13501) A1	

PIPE

The AZUR WOOL Pipes manufactured of glasswool with high unit weight, unfaced or with aluminum foil facing for the purpose of thermal-sound insulation and fire safety of pipes used for heating and cooling.

AREAS OF USE

- Industrial pipes
- Central heating installations
- Solar energy installations
- All types of mechanical and industrial installations for thermal as well as vibration and noise installation of pressurized water pipes.



AZUR WOOL PREFABRICATED PIPE

Thickness (mm)	Diameter (mm)	Density (kg/m ³)	Thermal Conductivity λ (W/mK)	Thermal Resistance R (m ² K/W)	Facing	Fire Class TS EN 13501-1
25-100	21-324	60-100	0.035	0.70-2.85	Unfaced	A1
					AFH	C _L -s1, do
					AFK	

Thickness

		25 mm	30 mm	40 mm	50 mm	60 mm	80 mm	100 mm
inches	mm	m/box	m/box	m/box	m/box	m/box	m/box	m/box
1/2"	21	40,8	33,6	19,2	14,4	12		
3/4"	27	36	27,6	18	12	10,8		
1 "	33	30	24	16,8	12	8,4		
1 1/4"	42	26,4	18	13,2	10,8	8,4		
1 1/2"	48	22,8	18	13,2	10,8	7,2		
2"	60	16,8	14,4	10,8	8,4	7,2	4,8	
2 1/2"	76	14,4	12	8,4	7,2	6	3,6	3,6
3"	89	10,8	9,6	7,2	6	4,8	3,6	2,4
4"	114		6	4,8	4,8	3,6	2,4	2,4
5"	140		12	8,4	7,2	4,8	4,8	3,6
6"	169		9,6	7,2	6	4,8	4,8	3,6
8"	219		6	4,8	4,8	3,6	3,6	2,4
10"	273		4,8	3,6	3,6	2,4	2,4	
12"	324		3,6	2,4	2,4	2,4	2,4	



BLANKETS

Blankets manufactured of galvanized rabbit wire sewn on rockwool.

AREAS OF USE

- Used for thermal and sound insulation and fireproofing of tanks, boilers, exchangers, and ovens at industrial applications such as
- thermal power plants
- cement, sugar and iron-steel factories,
- and shipyards.



Azur Therm Rabbit Wire Mesh Mats	Density (kg/m ³)	Width (mm)	Weight (kg/m ²)	R (Thermal Resistance) (m ² K/W)
Rabbit Wire Mesh Mats RTSS80	80		2,40-8,0	
Rabbit Wire Mesh Mats RTSS90	90	30-100	2,70-9,0	0,83-2,77
Rabbit Wire Mesh Mats RTSS125	125		3,75-12,50	

BOARDS

PARTITION BOARD

Non-flammable, long-lasting panels made of rock wool, containing water repellent admixtures, used for thermal and sound insulation of building interiors.

AREAS OF USE

- Used as internal insulation
- between and below rafters,
- on suspended ceilings,
- attic floors,
- wooden floors,
- elevator shafts,
- partition walls and
- inside insulation of exterior walls.



AZUR THERM PARTITION BOARD	Density (kg/m ³)	Width (mm)	Weight (kg/m ²)	R (Thermal Resistance) (m ² K/W)
Partition Board ABL40	40		1,20-4,80	
Partition Board ABL50	50	25-150	1,50-6,00	0,69-4,16

BOARDS

AIR CONDITIONER BOARD

Azur Therm panel covered on one side with aluminum foil.

AREAS OF USE

- Used in air conditioning and ventilation ducts.

AZUR THERM AIR CONDITIONER BOARD	Density (kg/m ³)	Width (mm)	Weight (kg/m ²)	R (Thermal Resistance) (m ² K/W)
Air Conditioner Board KL60	60	25-30-40-50	1,50-1,80-2,4-3,00	0,69-1,39

INDUSTRIAL BOARD

Boards used for thermal, sound, and fire insulation in temperatures up to 760°C in industrial areas.

AREAS OF USE

- Used in steel constructions, process equipment, industrial facilities, and ready panel applications.

AZUR THERM INDUSTRIAL BOARD	Density (kg/m ³)	Width (mm)	Weight (kg/m ²)	R (Thermal Resistance) (m ² K/W)
Industrial Board SL70	70	25-120	1,75-8,40	0,69-3,33
Industrial Board SL110	110		2,75-11,00	

FLOATING FLOOR BOARD

Non-flammable, uncoated and long-lasting rockwool panels used in thermal, sound and fire insulation of buildings.

AREAS OF USE

- Used between floors, for flooring of open passages, and building floors.

AZUR THERM FLOATING FLOOR BOARD	Density (kg/m ³)	Width (mm)	Weight (kg/m ²)	R (Thermal Resistance) (m ² K/W)
Floating Floor Board YDL110	110	25-35	2,75-3,85	0,69-0,97

TERRACE ROOF BOARD

Non-flammable, long-lasting, stable panels made of rock wool containing water repellent admixtures, used for thermal and sound insulation of conventional roofs.

AREAS OF USE

- Used for water insulation of metal and wooden roofs, and under waterproofing membranes.

AZUR THERM TERRACE ROOF BOARD	Density (kg/m ³)	Width (mm)	Weight (kg/m ²)	R (Thermal Resistance) (m ² K/W)
Terrace Roof Board TCL150	150	25-120	4,50-15,00	0,69-3,33

CLADDING BOARD

High density, non-flammable rockwool panels containing water repellent admixture and used in the cladding of exterior building façades.

AREAS OF USE

- Used under plastering on exterior façades for thermal, sound, and fire insulation, and for thermal, sound, and fire insulation of curtain walls.

AZUR THERM CLADDING BOARD	Density (kg/m ³)	Width (mm)	Weight (kg/m ²)	R (Thermal Resistance) (m ² K/W)
Cladding Board SML150	150	25-120	4,50-15,00	0,69-3,33



PIPES

PREFABRICATED PIPE

Unfaced or aluminum foil faced rockwool pipes.

AREAS OF USE

- Used for thermal and fire insulation for high temperature industrial and installation pipes, and for sound and vibration insulation for process equipment.



Temperature (°C)	10°C	15°C	150°C	250°C	400°C
Thermal Conductivity λ (W/mK)	0,0345	0,043	0,053	0,058	0,081

AZUR THERM PREFABRICATED PIPE	Density (kg/m³)	Width (mm)	Type of Facing	R (Thermal Resistance) (m²K/W) - at 10 °C
Prefabricated Pipe	80-100	25-100	Unfaced AFL	0,72-2,89

Internal Diameter of Pipe		20mm	25mm	30mm	40mm	50mm	60mm	80mm
inches	mm	m/pkc	m/pk	m/pkc	m/pkc	m/pkc	m/pkc	m/pkc
	15	92,4						
	18	79,2						
	21	72						
1/4"	13		72		28,8	18		
1/2"	21		54		21,6	18	9,6	
3/4"	27			33,6	21,6	18	9,6	
1"	33		33,6	28,8	18	14,4	9,6	
1 1/4"	42		33,6	21,6	18	9,6	9,6	
1 1/2"	48		28,8	21,6	18	9,6	7,2	
2"	60		18	18	9,6	9,6	7,2	2,4
2 1/2"	76		18	9,6	9,6	7,2	7,2	2,4
3"	89		9,6	9,6	7,2	7,2	3,6	2,4
4"	114		7,2	7,2	7,2	3,6	2,4	2,4
5"	141			7,2	2,4	2,4	2,4	2,4
6"	152			48	2,4			
6"	21			38,4				
6"	169					2,4	2,4	1,2
8"	219			2,4	2,4	2,4	1,2	1,2



AZUR SOUND
Acoustic Foam

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



FLEXIDUCT®

ALU OPTIMA

Construction	: 2 Ply Aluminum, 1 Ply Polyester
Diameter Range	: Ø 76 - 560
Service Temperature	: -30 °C / +150 °C
Operating Pressure	: 3000 Pa
Reaction to Fire	: M1
Air Flow Velocity	: 30 m/s (max.)
Length	: 10 mt ± %2



Excellent Thermal Insulation



Acoustic Insulation



Fire Safety



High Flexibility



Hygienic



User Friendly Installation



10 meters



Eco Friendly

ALU THERMAL OPTIMA

Construction	: 2 Ply Aluminum, 1 Ply Polyester
Diameter Range	: Ø 76 - 560
Service Temperature	: -30 °C / +150 °C
Operating Pressure	: 3000 Pa
Reaction to Fire	: M1
Air Flow Velocity	: 30 m/s (max.)
Length	: 10 mt ± %2
Jacket Construction	: Aluminium + Polyester
Insulation	: 25 mm EUCEB Certified Low Emission Mineral Wool
Optional Jacket	: Scrim Reinforced Available Upon Request



Excellent Thermal Insulation



Acoustic Insulation



Fire Safety



High Flexibility



Hygienic



User Friendly Installation



10 meters



Eco Friendly

PVC M

Construction	: 1 Ply 220 Micron PVC Coated Mesh Fabric
Diameter Range	: Ø 76 - 560
Service Temperature	: -30 °C / +70 °C
Operating Pressure	: 3000 Pa
Air Flow Velocity	: 30 m/s (max.)
Length	: 10 mt ± %2



Excellent Thermal Insulation



High Flexibility



User Friendly Installation



Eco Friendly

COMBI

Construction	: 3 Ply Aluminium, 2 Ply Polyester, 1 Ply PVC
Diameter Range	: Ø 76 - 560
Service Temperature	: -30 °C / +150 °C
Operating Pressure	: 3000 Pa
Reaction to Fire	: Classe 2 (Due) Lapi Certificate
Air Flow Velocity	: 30 m/s (max.)
Length	: 10 mt ± %2



Excellent Thermal Insulation



High Flexibility



User Friendly Installation

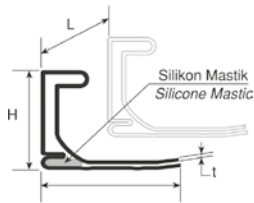


10 meters



Eco Friendly

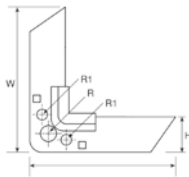
Flange Profile



Material Type	L	H mm	T mm
Galvanized Sheet	Standard 4 m	20	0,60
		25	0,60
		30	0,70
		35	0,70
Stainless Flange		20	0,60
		25	



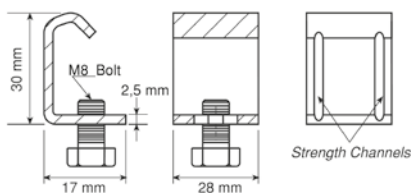
Corner Pieces Flat



Material Type	Coated Type	WxW mm	H mm	RØmm	R1Ømm
HRP - DKP	Elektro Galvanized	66	15	9	6
		82	20	9	6
		105	24	9	6
		106	29	10	6



G Clamps

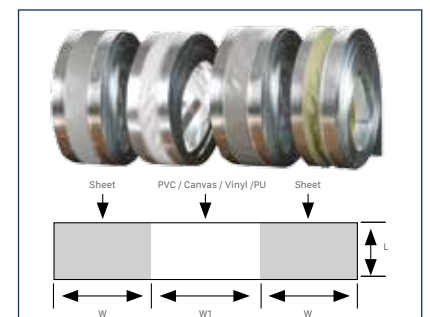


Bolt Type	Pieces Box
M8*20 mm	500
M8*30 mm	



Duct Connector

	Length mt	W mm	W1 mm	W mm
PVC CANVAS VINYL PU (400 ° C)	25	45	60	45
	25	45	75	45
	25	70	100	70
	25	70	150	70
	25	70	200	70



Aluminium Plain and Reinforced Tapes

Dimensions

50 mm x 30 mt

75 mm x 30 mt

100 mm x 30 mt



Pin

Pin Length mm

30

40

50

60

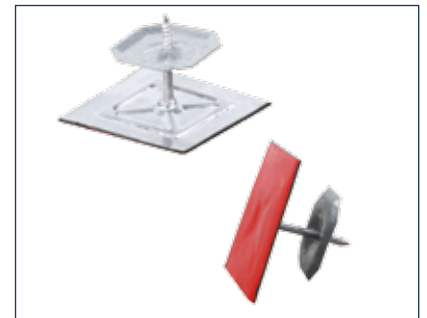
Pieces Box

500

500

500

500



U Profile

WxH mm

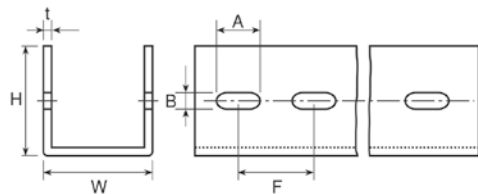
L mm

T mm

B mm

A mm

F mm



30 x 30

2.000

2

10

20

40

30 x 30

2,5

10

20

40

30 x 30

3

10

20

40

40 x 40

2,5

12,5

25

40

40 x 40

3

12,5

25

40

40 x 40

4

12,5

25

40

50 x 50

4

12,5

25

40



L Profile

WxH mm

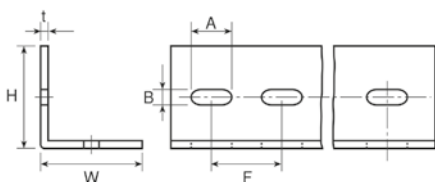
L mm

T mm

B mm

A mm

F mm



30 x 30

2.000

2

10

20

40

30 x 30

2,5

10

20

40

30 x 30

3

10

20

40

40 x 40

2,5

12,5

25

40

40 x 40

3

12,5

25

40

40 x 40

4

12,5

25

40

50 x 50

4

12,5

25

40



Rod

Rod Size
D x L mm

Design
Loads kN

M.6 x2.000

1,10

M.8 x2.000

2,25

M.10 x2.000

3,29

M.12 x2.000

4,81

M.14 x2.000

6,84

M.16 x2.000

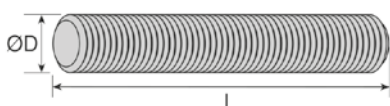
9,18

M.18 x2.000

10,52

M.20 x2.000

14,40



TECHNICAL EQUIPMENT

PIPE CLAMP WITH NUT



STAINLESS STEEL (304) PIPE CLAMP WITH NUT



PIPE CLAMP WITH TRIPHONE



PIPE CLAMP WITH COMBI NUT



PIPE CLAMP WITH TRIPHONE



MECHANICAL PIPE



COST IRON PIPES



SHOWER DUCTS



FLOOR STRAINERS



DRAINAGE CHANNELS



PRC INSULATED COPPER PIPES



MALLEABLE IRON PIPE FITTINGS



BROSS FITTINGS



MALLEABLE IRON PIPE FITTINGS



*Please contact us for more information.

SMART SUPPLY OF TECHNICAL INSULATION



AZUR INSULATION

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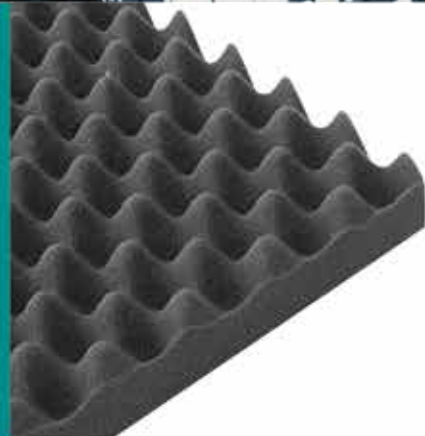
 **AZURFLEX**
Flexible Elastomeric Foam



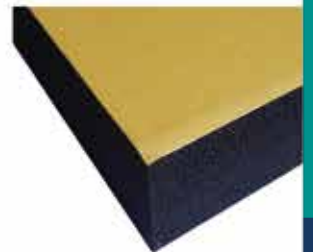
 **AZURWOOL**
Glass Wool



 **AZURTHERM**
Stone Wool



 **AZURSOUND**
Acoustic Foam





AZUR INSULATION
Smart Supply

Azur Yalıtım Sanayi ve Ticaret Anonim Şirketi

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