

PRODUCT CATALOG



<https://www.bisolation.com>

<https://www.binaks.com>



Fire
Insulation



Acoustic
Insulation



Thermal
Insulation



Water & Moisture
Insulation

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About Us

Binaks Solutions is a noteworthy international provider of high-quality insulation and construction materials. We provide innovative products that save energy and are environmentally friendly.

Our firm, which began operations in 1978, has previously given services in a variety of areas and has lately supplied producing and offering services on construction and insulating materials.

It continues to operate under the Biso trademark for the insulating material company. Our work for the distributor network in this area is progressing quickly.

Our Vision

Binaks Solutions applies its expertise and experience to both domestic and international projects. It provides the maximum degree of client satisfaction by providing the needed solutions in the most suitable and high-quality manner.

Our Mission

Binaks Solutions' skilled and trained team members aspire to be the solution partner for all types of retail investors by combining new and progressive ways.

OUR BASIC VALUES

- ◆ Customer and employee satisfaction
- ◆ Quality and a focus on results
- ◆ Creativity and innovation
- ◆ Efficiency and Productivity
- ◆ Environmentalism and sustainability
- ◆ Observance of the Law

OUR ETHICAL VALUES

- ◆ Respect
- ◆ Honesty & Reliability
- ◆ Responsibility
- ◆ Loyalty, Justice & Integrity
- ◆ Transparency
- ◆ Privacy



PRODUCTION

We consider meeting the needs of the industry with our facilities developed in line with technological developments as the most important step we have taken for a sustainable future. We organize all our operations from our Istanbul office.

We manage our overseas trade with our warehouses close to sea ports and neighboring countries with factories established all over the country, and we are building the future with an operation with a savings perspective.



FACILITIES

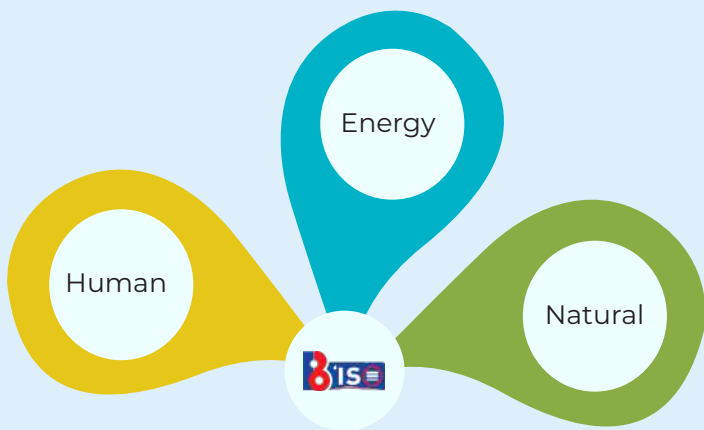
The production support of our sister companies turns us into a center for the export of 22 integrated facilities and 43 product ranges.

CAPACITIES

All of the production facilities with 750,000 m² closed area and more than 1,000,000 m² open area are working at full capacity in order to achieve minimum delivery times.



QUALITY LINE



Binaks Solutions has adopted the principle of continuously improving its performance by providing quality, reliable and easily applicable products, by taking care of customer needs from raw material entry to shipment, by fulfilling the requirements of the Quality Management System Standart with its expert staff.

We are proud of maintaining all our works and investments with a focus on quality, from production processes to distribution, by proving our quality to the world with the documents we receive from national and international certification institutions.

EN
13162

ISO
14000

TS
50001

ISO
9001

OHSAS
18001

CE

TSE



Fire
Insulation



Acoustic
Insulation



Thermal
Insulation



Water & Moisture
Insulation



STONE WOOL

Stone wool is produced by melting minerals from volcanic rocks at very high temperatures and turning them into fibers. Stone wool provides insulation of heat, sound and fire in the structures it is applied to. Stone wool is obtained from volcanic rocks in nature, which have superior properties from other stones in terms of their minerals and chemical properties. It is a mostly preferred material because of its quality, durability and wide usage areas in insulation.

What are the areas of use ?

Thermal Insulation: It provides thermal insulation up to 90% since stone wool thermal conductivity declared value (10°C) is between $0,035 \leq A \leq 0,040$ W /mK. **Fire Insulation:** Stone wool, usage temperature is in the range of -50 /+750°C. According to TS EN 13501-1, it is in A1 class, which is non-combustible materials. **Sound Insulation:** Stone wool, which is one of the insulation materials that absorb sound best, is used especially in acoustic arrangements. It provides sound insulation between 40-90% according to EN ISO standards. **Moisture and Moisture Insulation:** Stone wool goes not corrode and rust, so it is durable for many years, does not rot, mold or deteriorate. Water vapor diffusion.

How is Stone Wool Produces ?

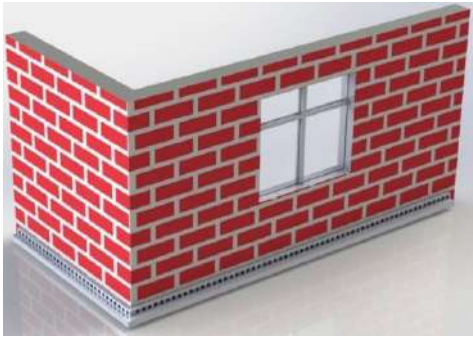
Today, stone wool is formed by melting the basalt stone, which is a volcanic rock, at 1350 °C - 1400 °C and turning it into a fiber. Basalt, which is turned into fiber, can be produced in the form of mattresses, sheets and pipes by pressing in various sizes. Stone wool provides fire safety in buildings where it is applied, along with thermal insulation, sound insulation and acoustic refulation. The low thermal conductivity value of stone wool makes it a good thermal insulation material.

The thermal conductivity value ranges from approximately 0.035 -0.040 W /mK. Usage temperature is in the range of -50/+750°C. B'iso, packing stone wool with Strech Hood, Challenging the Rain! Unlike conventional stretching, it has no joints, so it is not affected by outside weather conditions, it is WATER- PROOF.

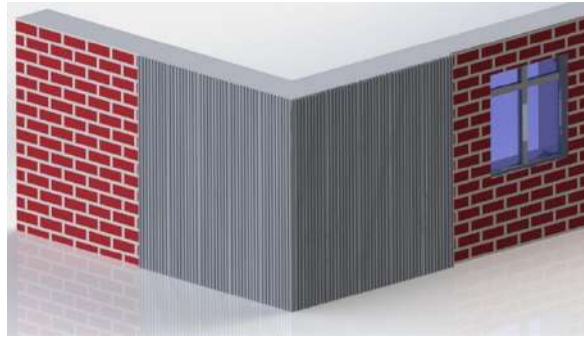


STONE WOOL PROCESS

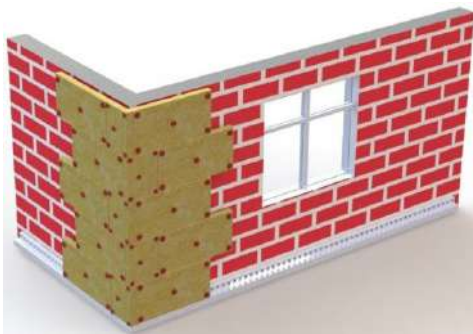
01



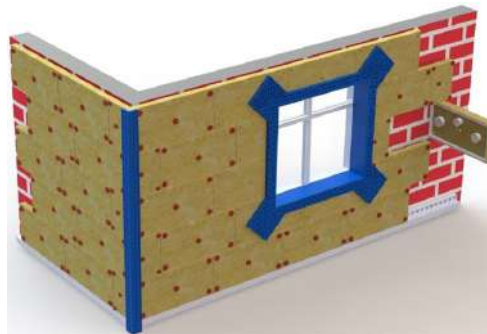
02



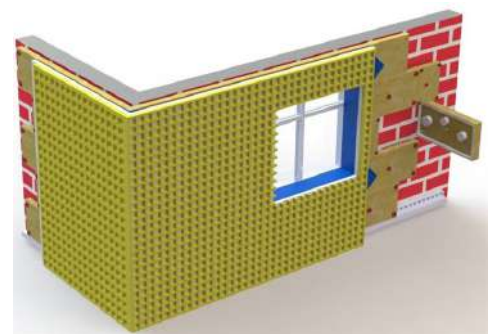
03



04



05

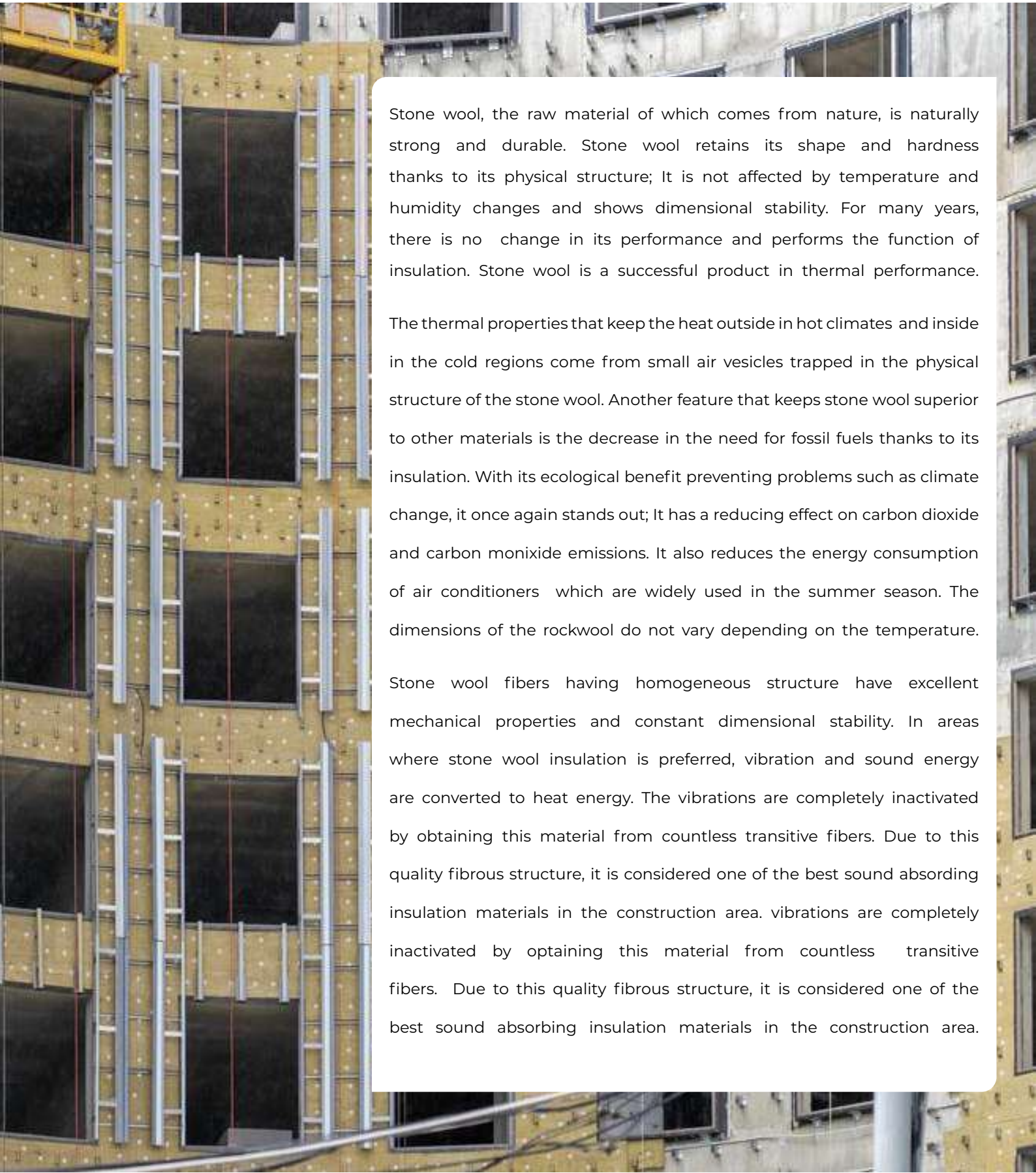


06



- 1 - Preparations before application
- 2 - Plinth Wall Profile Installation
- 3 - Preparation and Adhesion of Board Mortar
- 4 - Doweling Process of Stone Wool Insulation Boards
- 5 - Application Process of Edge and Corner Profiles
- 6 - Application of Plaster Mortar and Reinforcement Mesh
- 7 - Decorative Coating and Paint Application Process

What are the General Features and Advantages ?

A photograph of a building facade under construction. The exterior wall is covered in yellow insulation panels. Several windows are visible, some with dark frames. Vertical metal rods or ladders are attached to the wall, likely for scaffolding or structural support. The overall scene is a typical construction site for a modern building.

Stone wool, the raw material of which comes from nature, is naturally strong and durable. Stone wool retains its shape and hardness thanks to its physical structure; It is not affected by temperature and humidity changes and shows dimensional stability. For many years, there is no change in its performance and performs the function of insulation. Stone wool is a successful product in thermal performance.

The thermal properties that keep the heat outside in hot climates and inside in the cold regions come from small air vesicles trapped in the physical structure of the stone wool. Another feature that keeps stone wool superior to other materials is the decrease in the need for fossil fuels thanks to its insulation. With its ecological benefit preventing problems such as climate change, it once again stands out; It has a reducing effect on carbon dioxide and carbon monoxide emissions. It also reduces the energy consumption of air conditioners which are widely used in the summer season. The dimensions of the rockwool do not vary depending on the temperature.

Stone wool fibers having homogeneous structure have excellent mechanical properties and constant dimensional stability. In areas where stone wool insulation is preferred, vibration and sound energy are converted to heat energy. The vibrations are completely inactivated by obtaining this material from countless transitive fibers. Due to this quality fibrous structure, it is considered one of the best sound absorbing insulation materials in the construction area. vibrations are completely inactivated by obtaining this material from countless transitive fibers. Due to this quality fibrous structure, it is considered one of the best sound absorbing insulation materials in the construction area.

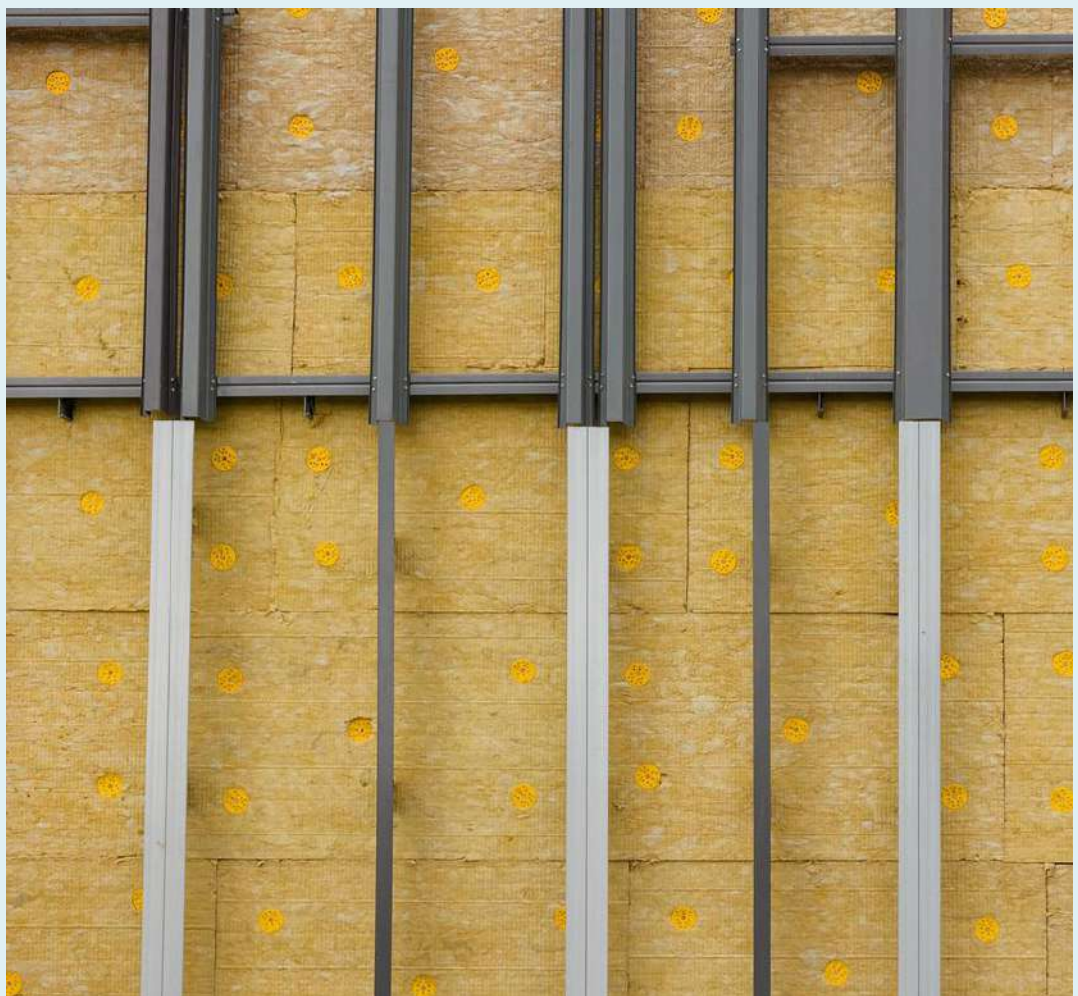
Facade Board

Facade Board is a uncoated Stone Wool board that is produced in accordance with TS EN 13500 and specially according to TS EN 13162 standart and is used in plastered exterior insulation systems for heat, sound insulation and fire safety.



Usage Areas

- Used in plastered exterior insulation systems for heat, acoustic insulation and fire safety.
- Facade System; It provides reduction of thermal losses and gains, thermal comfort, noise prevention, fire safety and condensation prevention.



Fire Insulation



Acoustic Insulation



Thermal Insulation





Water & Moisture Insulation



STONE WOOL

XPS

EPS

Product Code	Density	Thickness	Size	Package		 m ² (13,6x2,4)	 m ²
	kg/m ³	mm	mm x mm	Piece	m ²		
BSCFB12040	120	40	600 x 1200	6	86,4	1900,8	1641,6
BSCFB12050	120	50	600 x 1200	4	69,12	1425,6	1166,4
BSCFB12060	120	60	600 x 1200	4	57,6	1267,2	1094,4
BSCFB12070	120	70	600 x 1200	3	43,2	950,4	820,8
BSCFB12080	120	80	600 x 1200	3	43,2	950,4	820,8
BSCFB120100	120	100	600 x 1200	2	34,56	760,32	633,6
BSCFB13040	130	40	600 x 1200	6	86,4	1900,8	1641,6
BSCFB13050	130	50	600 x 1200	4	69,12	1425,6	1166,4
BSCFB13060	130	60	600 x 1200	4	57,6	1267,2	1094,4
BSCFB13070	30	70	600 x 1200	3	43,2	950,4	820,8
BSCFB13080	130	80	600 x 1200	3	43,2	950,4	820,8
BSCFB130100	130	100	600 x 1200	2	34,56	760,32	633,6
BSCFB14040	140	40	600 x 1200	6	86,4	1900,8	1641,6
BSCFB14050	140	50	600 x 1200	4	69,12	1425,6	1166,4
BSCFB14060	140	60	600 x 1200	4	57,6	1267,2	1094,4
BSCFB14070	140	70	600 x 1200	3	43,2	950,4	820,8
BSCFB14080	140	80	600 x 1200	3	43,2	950,4	820,8
BSCFB140100	140	100	600 x 1200	2	34,56	760,32	633,6
BSCFB15040	150	40	600 x 1200	6	86,4	1900,8	1641,6
BSCFB15050	150	50	600 x 1200	4	69,12	1425,6	1166,4
BSCFB15060	150	60	600 x 1200	4	57,6	1267,2	1094,4
BSCFB15070	150	70	600 x 1200	3	43,2	950,4	820,8
BSCFB15080	150	80	600 x 1200	3	43,2	950,4	820,8
BSCFB150100	150	100	600 x 1200	2	34,56	760,32	633,6

Note: Truck and container quantities may vary depending on the truck type for palletized and non-palletized loading. Please contact our officials for further information.

B+120

B+120 Facade Board is uncoated Stone Wool board which is produced in accordance with TS EN 13500 and specially according to TS EN 13162 standart and is used in plastered exterior insulation system for heat, acoustic insulation and fire safety.



Usage Areas

- It is used for heat, acoustic insulation and fire safety in plastered exterior insulation systems.
- Facade System; ensure reduction of thermal losses and gains, thermal comfort, noise prevention, fire safety, and condensation prevention.



Fire Insulation



Acoustic Insulation



Thermal Insulation



Water & Moisture Insulation





B+120

STONE WOOL

XPS

EPS

Product Code	Density	Thickness	Size	Package		 m ² (13,6x2,4)	 m ²
	kg/m ³	mm	mm x mm	Piece	m ²		
BSPLUS12050	120	50	600 x 1200	4	86,4	1425,6	1166,4
BSPLUS12060	120	60	600 x 1200	4	69,12	1267,2	1094,4
BSPLUS12070	120	70	600 x 1200	3	57,6	950,4	820,8
BSPLUS12080	120	80	600 x 1200	3	43,2	950,4	820,8
BSPLUS12090	120	90	600 x 1200	2	43,2	760,32	633,6
BSPLUS120F100	120	100	600 x 1200	2	34,56	633,6	547,2
BSPLUS120I100	120	100	600 x 1200	2	34,56	633,6	547,2
BSPLUS120I20	120	120	600 x 1200	2	28,8	633,6	547,2

Note: Truck and container quantities may vary depending on the truck type for palletized and non-palletized loading. Please contact our officials for further information.

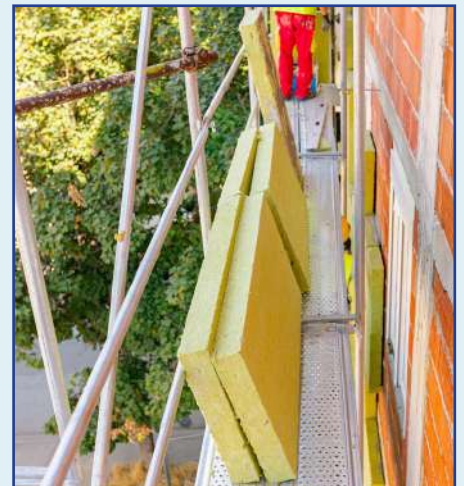
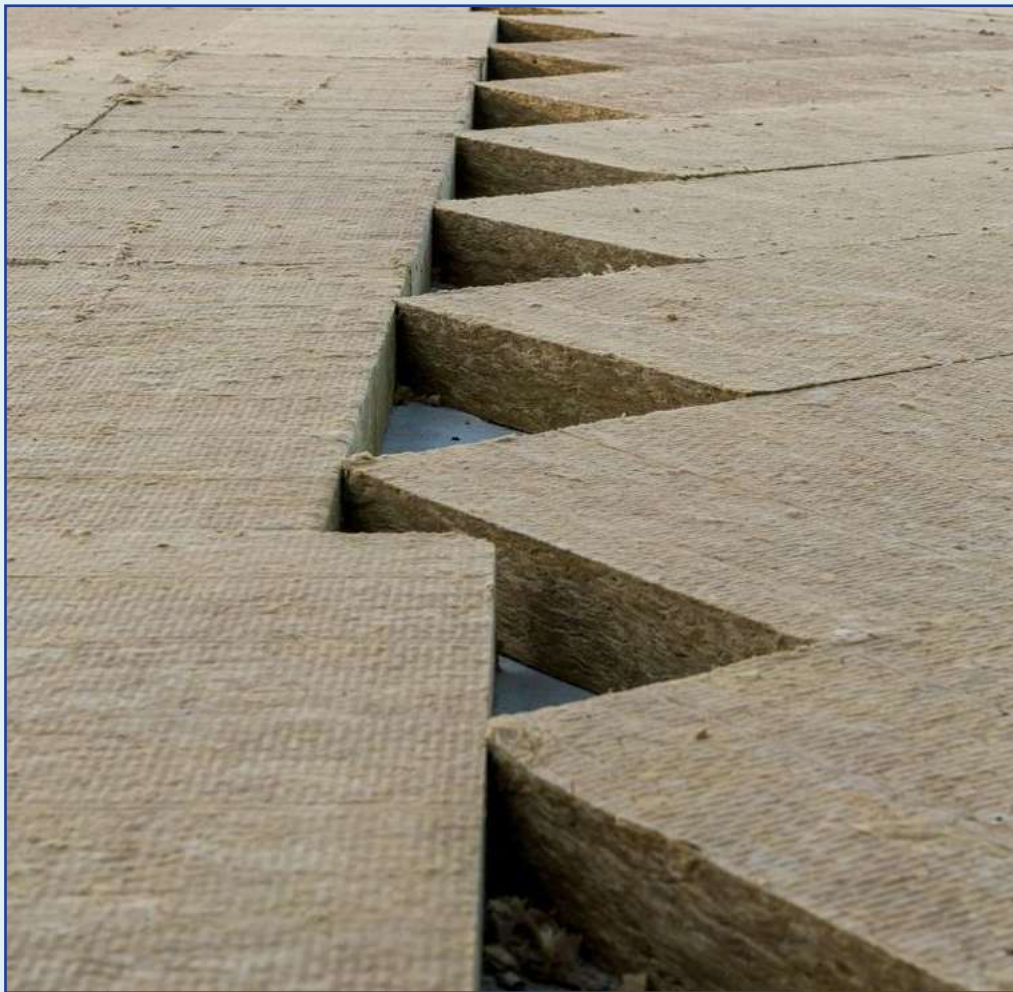
B+150

B+150 Facade Board is uncoated Stone Wool board that is produced in accordance with TS EN 13500 and specially according to TS EN 13162 standart and is used for plaster exterior insulation systems for heat, acoustic insulation and fire safety.



Usage Areas

- It is used for heat, acoustic insulation and fire safety in plastered exterior insulation systems.
- Facade System; It provides reduction of thermal losses and gains, thermal comfort, noise prevention, fire safety, and prevention of condensation.



Fire
Insulation



Acoustic
Insulation



Thermal
Insulation



Water & Moisture
Insulation





B+150

STONE WOOL

XPS

EPS

Product Code	Density	Thickness	Size	Package		 m ² (13,6x2,4)	 m ²
	kg/m ³	mm	mm x mm	Piece	m ²		
BSPLUS15040	150	40	600 x 1200	6	86,4	1900,8	1641,6
BSPLUS15050	150	50	600 x 1200	4	69,12	1425,6	1166,4
BSPLUS15060	150	60	600 x 1200	4	57,6	1267,2	1094,4
BSPLUS15070	150	70	600 x 1200	3	43,2	950,4	820,8
BSPLUS15080	150	80	600 x 1200	3	43,2	650,4	820,8
BSPLUS150100	150	100	600 x 1200	2	34,56	633,6	547,2
BSPLUS150120	150	120	600 x 1200	2	28,8	633,6	547,2

Note: Truck and container quantities may vary depending on the truck type for palletized and non-palletized loading. Please contact our officials for further information.



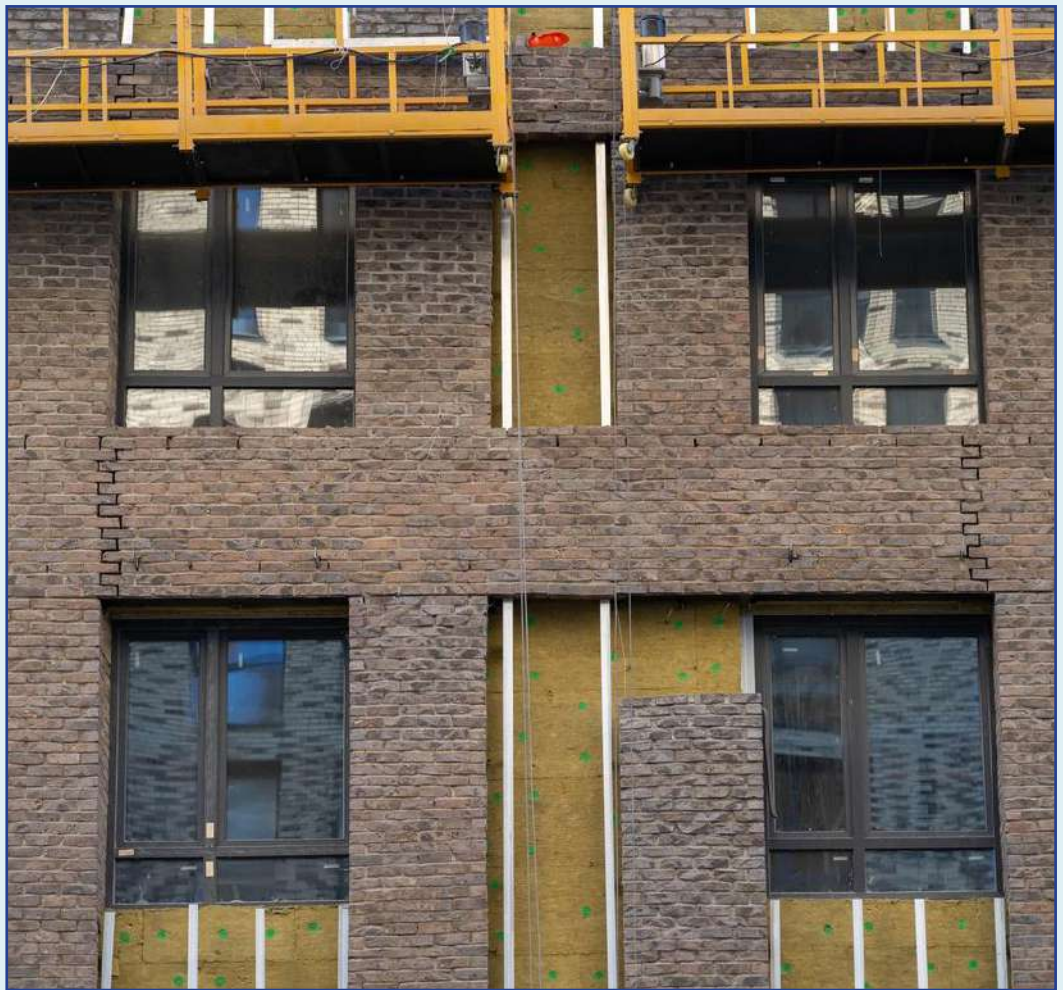
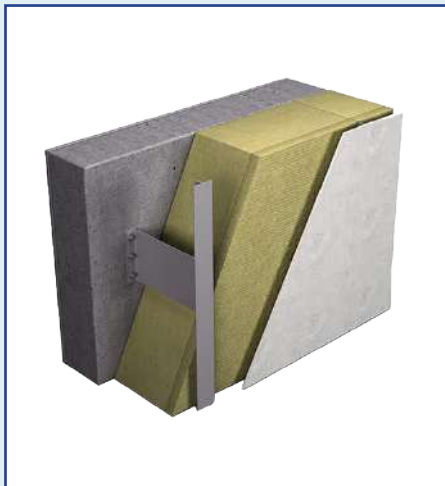
Ventilated Facade Board

Stone Wool Ventilated Facade Board; It is stone wool board with a surface covered with aluminum foil or black and yellow tissue or uncoated on both sides, used for heat, acoustic insulation and fire safety. Ventilated Facade Boards; Black glass tissue, yellow glass tissue, with or without aluminum foil are offered.



Usage Areas

Stone Wool Curtain Wall Board is a product that can be mounted on the facade walls and it can be installed and placed between the carrier profiles on the facade.



Fire Insulation



Acoustic Insulation



Thermal Insulation



Water & Moisture Insulation





Ventilated Facade Board

STONE WOOL

XPS

EPS

Product Code	Density	Thickness	Size	Package		 m ² (13,6x2,4)	 m ²
	kg/m ³	mm	mm x mm	Piece	m ²		
BSVFB7040	70	40	600 x 1200	6	86,4	1900,8	1641,6
BSVFB7050	70	50	600 x 1200	4	69,12	1425,6	1166,4
BSVFB7060	70	60	600 x 1200	4	57,6	1267,2	1094,4
BSVFB7070	70	70	600 x 1200	3	43,2	950,4	820,8
BSVFB7080	70	80	600 x 1200	3	43,2	650,4	820,8
BSVFB70100	70	100	600 x 1200	2	34,56	633,6	547,2
BSVFB70120	70	120	600 x 1200	2	28,8	633,6	547,2

Note: Truck and container quantities may vary depending on the truck type for palletized and non-palletized loading. Please contact our officials for further information.

Partition Facade Board

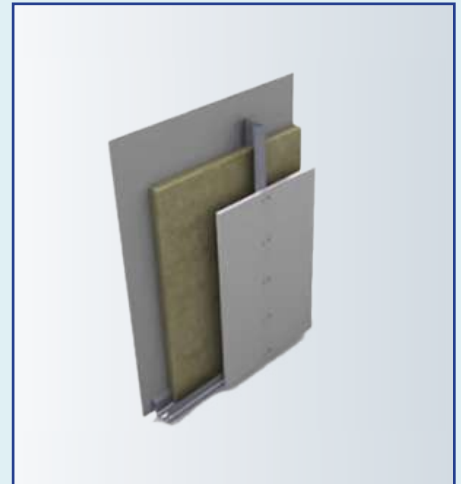
Stone Wool partition wall board It is used for fire safety purposes as it is in the "A1 never burned" class by providing sound and heat insulation in light partition wall systems.

By using Biso Stone Wool partition wall insulation board, insulation is maximized in the partition walls and acoustic performance, fire safety and acoustic insulation are provided. Partition Boards; Black glass tissue, yellow glass tissue, with or without aluminum foil are offered.



Usage Areas

- It can be used in the interior walls, stairs and lift spaces of all kinds of buildings, and for the heat, sound and fire insulation of outer walls that can be coated.
- It can be used in places where there may be condensation problem depending on the need



Fire
Insulation



Acoustic
Insulation



Thermal
Insulation



Water & Moisture
Insulation





Partition Facade Board

STONE WOOL

XPS

EPS

Product Code	Density	Thickness	Size	Package		 m ² (13,6x2,4)	 m ²
	kg/m ³	mm	mm x mm	Piece	m ²		
BSPWB4050	40	50	600 x 1200	8	69,12	1425,6	1166,4
BSPWB4060	40	60	600 x 1200	8	57,6	1267,2	1094,4
BSPWB4070	40	70	600 x 1200	6	43,2	950,4	820,8
BSPWB4080	40	80	600 x 1200	6	43,2	950,4	820,8
BSPWB40100	40	100	600 x 1200	4	34,56	760,32	633,6
BSPWB40120	40	120	600 x 1200	4	28,8	633,6	547,2
BSPWB40140	40	140	600 x 1200	2	23,04	-	403,2
BSPWB5040	40	40	600 x 1200	10	86,4	1900,8	1641,6
BSPWB5050	40	50	600 x 1200	8	69,12	1425,6	1166,4
BSPWB5060	40	60	600 x 1200	8	57,6	1267,2	1094,4
BSPWB5070	40	70	600 x 1200	6	43,2	950,4	820,8
BSPWB5080	40	80	600 x 1200	6	43,2	950,4	820,8
BSPWB50100	40	100	600 x 1200	4	34,56	760,32	633,6
BSPWB50120	40	120	600 x 1200	4	28,8	633,6	547,2
BSPWB6040	40	40	600 x 1200	10	86,4	1900,8	1641,6
BSPWB6050	40	50	600 x 1200	8	69,12	1425,6	1166,4
BSPWB6060	40	60	600 x 1200	8	57,6	1267,2	1094,4
BSPWB6070	40	70	600 x 1200	6	43,2	950,4	820,8
BSPWB6080	40	80	600 x 1200	6	43,2	950,4	820,8
BSPWB60100	40	100	600 x 1200	4	34,56	760,32	633,6
BSPWB60120	40	120	600 x 1200	4	28,8	633,6	547,2

Note: Truck and container quantities may vary depending on the truck type for palletized and non-palletized loading. Please contact our officials for further information.





Floating Type Floor Board

STONE WOOL

XPS

EPS

Product Code	Density	Thickness	Size	Package		 m² (13,6x2,4)	 m²
	kg/m ³	mm	mm x mm	Piece	m ²		
BSFFB11030	110	30	600 x 1200	8	115,2	2534,4	1958,4
BSFFB12030	120	30	600 x 1200	8	115,2	2534,4	1958,4

Note: Truck and container quantities may vary depending on the truck type for palletized and non-palletized loading. Please contact our officials for further information.

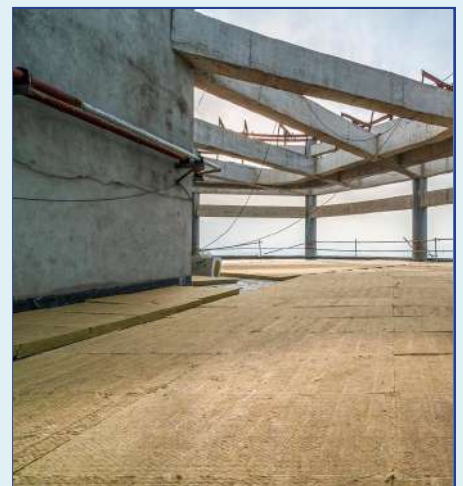
Industrial Board

It is used for insulation of very high temperatures, industrial facilities, process equipment, steel construction structures, all kinds of technical details requiring heat insulation and fire safety.



Usage Areas

- It is used for heat, sound and fire insulation in steel constructions, industrial plants, process equipment.



Fire Insulation



Acoustic Insulation



Thermal Insulation





Water & Moisture Insulation

STONE WOOL

XPS

EPS

Product Code	Density	Thickness	Size	Package		 m ² (13,6x2,4)	 m ²
	kg/m ³	mm	mm x mm	Piece	m ²		
BSIB7040	70	40	600 x 1200	10	86,4	1900,8	1641,6
BSIB7050	70	50	600 x 1200	8	69,12	1425,6	1166,4
BSIB7060	70	60	600 x 1200	8	57,6	1267,2	1094,4
BSIB7070	70	70	600 x 1200	6	43,2	950,4	820,8
BSIB7080	70	80	600 x 1200	6	43,2	950,4	820,8
BSIB70100	70	100	600 x 1200	4	34,56	760,32	633,6
BSIB70120	70	120	600 x 1200	4	28,8	633,6	547,2
BSIB8040	80	40	600 x 1200	10	86,4	1900,8	1641,6
BSIB8050	80	50	600 x 1200	8	69,12	1425,6	1166,4
BSIB8060	80	60	600 x 1200	8	57,6	1267,2	1094,4
BSIB8070	80	70	600 x 1200	6	43,2	950,4	820,8
BSIB8080	80	80	600 x 1200	6	43,2	950,4	820,8
BSIB80100	80	100	600 x 1200	4	34,56	760,32	633,6
BSIB80120	80	120	600 x 1200	4	28,8	633,6	547,2
BSIB9040	90	40	600 x 1200	10	86,4	1900,8	1641,6
BSIB9050	90	50	600 x 1200	8	69,12	1425,6	1166,4
BSIB9060	90	60	600 x 1200	8	57,6	1267,2	1094,4
BSIB9070	90	70	600 x 1200	6	43,2	950,4	820,8
BSIB9080	90	80	600 x 1200	6	43,2	950,4	820,8
BSIB90100	90	100	600 x 1200	2	34,56	760,32	633,6
BSIB90120	90	120	600 x 1200	2	28,8	633,6	547,2
BSIB10040	100	40	600 x 1200	6	86,4	1900,8	1641,6
BSIB10050	100	50	600 x 1200	6	69,12	1425,6	1166,4
BSIB10060	120	60	600 x 1200	4	57,6	1267,2	1094,4
BSIB10070	100	70	600 x 1200	3	43,2	950,4	820,8
BSIB10080	120	80	600 x 1200	3	43,2	950,4	820,8
BSIB100100	100	100	600 x 1200	2	34,56	760,32	633,6
BSIB100120	100	120	600 x 1200	2	28,8	633,6	547,2
BSIB11040	110	40	600 x 1200	6	86,4	1900,8	1641,6
BSIB11050	110	50	600 x 1200	4	69,12	1425,6	1166,4
BSIB11060	110	60	600 x 1200	4	57,6	1267,2	1094,4
BSIB11070	110	70	600 x 1200	3	43,2	950,4	820,8
BSIB11080	110	80	600 x 1200	3	43,2	950,4	820,8
BSIB110100	110	100	600 x 1200	2	34,56	760,32	633,6
BSIB110120	110	120	600 x 1200	2	28,8	633,6	547,2

Note: Truck and container quantities may vary depending on the truck type for palletized and non-palletized loading. Please contact our officials for further information.



Flat Roof Board

30 - 40 - 50 - 60 - 70 kPa



Flat Roof Boards can meet all requirements in terms of heat, acoustic and fire safety and can be applied in all roof types.

Since it can be produced in low thicknesses, it can also be used as a double layer if necessary.

Usage Areas

Flat Roofing Boards, It can be used on all types of inclined metal and wooden roofs, as well as on and off terrace roofs that can be walk on.



Fire Insulation



Acoustic Insulation



Thermal Insulation





Water & Moisture Insulation

Flat Roof Board

STONE WOOL

XPS

EPS

Product Code	kPa	Thickness mm	Size mm x mm	Package		 m ² (13,6x2,4)	 m ²
				Piece	m ²		
BSRFB30KPA40	30	40	600 x 1200	6	86,4	1900,8	1641,6
BSRFB30KPA50	30	50	600 x 1200	4	69,12	1425,6	1166,4
BSRFB30KPA60	30	60	600 x 1200	4	57,6	1267,2	1094,4
BSRFB30KPA70	30	70	600 x 1200	3	43,2	950,4	820,8
BSRFB30KPA80	30	80	600 x 1200	3	43,2	650,4	820,8
BSRFB30KPA100	30	100	600 x 1200	2	34,56	760,32	633,6
BSFRB40KPA40	40	40	600 x 1200	6	86,4	1900,8	1641,6
BSFRB40KPA50	40	50	600 x 1200	4	69,12	1425,6	1166,4
BSFRB40KPA60	40	60	600 x 1200	4	57,6	1267,2	1094,4
BSFRB40KPA70	40	70	600 x 1200	3	43,2	950,4	820,8
BSFRB40KPA80	40	80	600 x 1200	3	43,2	650,4	820,8
BSFRB40KPA100	40	100	600 x 1200	2	34,56	760,32	633,6
BSFRB50KPA40	50	40	600 x 1200	6	86,4	1900,8	1641,6
BSFRB50KPA50	50	50	600 x 1200	4	69,12	1425,6	1166,4
BSFRB50KPA60	50	60	600 x 1200	4	57,6	1267,2	1094,4
BSFRB50KPA70	50	70	600 x 1200	3	43,2	950,4	820,8
BSFRB50KPA80	50	80	600 x 1200	3	43,2	650,4	820,8
BSFRB50KPA100	50	100	600 x 1200	2	34,56	760,32	633,6
BSFRB60KPA40	60	40	600 x 1200	6	86,4	1900,8	1641,6
BSFRB60KPA50	60	50	600 x 1200	4	69,12	1425,6	1166,4
BSFRB60KPA60	60	60	600 x 1200	4	57,6	1267,2	1094,4
BSFRB60KPA70	60	70	600 x 1200	3	43,2	950,4	820,8
BSFRB60KPA80	60	80	600 x 1200	3	43,2	650,4	820,8
BSFRB60KPA100	60	100	600 x 1200	2	34,56	760,32	633,6
BSFRB70KPA40	70	40	600 x 1200	6	86,4	1900,8	1641,6
BSFRB70KPA50	70	50	600 x 1200	4	69,12	1425,6	1166,4
BSFRB70KPA60	70	60	600 x 1200	4	57,6	1267,2	1094,4
BSFRB70KPA70	70	70	600 x 1200	3	43,2	950,4	820,8
BSFRB70KPA80	70	80	600 x 1200	3	43,2	650,4	820,8
BSFRB70KPA100	70	100	600 x 1200	2	34,56	760,32	633,6



Note: Truck and container quantities may vary depending on the truck type for palletized and non-palletized loading. Please contact our officials for further information.



STONE WOOL

XPS

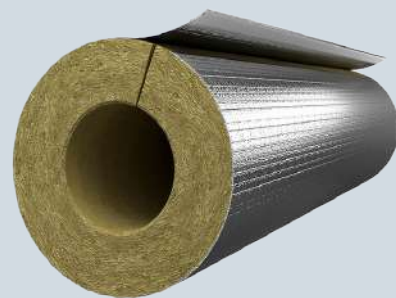
EPS

Product Code	Density	Thickness	Size	Package		 m ² (13,6x2,4)	 m ²
	kg/m ³	mm	mm x mm	Piece	m ²		
BSDC7040	70	40	600 x 1200	10	86,4	1900,8	1641,6
BSDC7050	70	50	600 x 1200	8	69,12	1425,6	1166,4
BSDC7060	70	60	600 x 1200	8	57,6	1267,2	1094,4
BSDC7070	70	70	600 x 1200	6	43,2	950,4	820,8
BSDC7080	70	80	600 x 1200	6	43,2	650,4	820,8
BSDC70100	70	100	600 x 1200	4	34,56	760,32	633,6
BSDC70120	70	120	600 x 1200	4	28,8	633,6	547,2

Note: Truck and container quantities may vary depending on the truck type for palletized and non-palletized loading. Please contact our officials for further information.

Stone Wool Prefabricated Pipe

Stone Wool Prefabricated Pipe ; It is used for heat saving, fire insulation and acoustic vibration insulation in industrial and installation pipes used with or without aluminum foil.



Usage Areas

Stone Wool Prefabricated Pipe; It is used for heat saving, fire insulation and acoustic vibration insulation in industrial and installation pipes used with or without aluminum foil.



Fire
Insulation



Acoustic
Insulation



Thermal
Insulation



Water & Moisture
Insulation

Stone Wool Prefabricated Pipe Technical Data

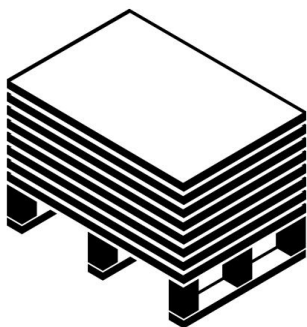
STONE WOOL			XPS							EPS		Ref. Standard	Harmonized Technical Specification
Features	Standard Impression	Unit	Declaration Value										
Material	MW		StoneWool							TS EN 14303	EN 14303		
Density	ρ	kg/m ³	100							TS EN 1602			
Lenght	l	mm	1200							TS EN 822			
Dimensional Stability	DS(70-) Δ Ed	%	max 1							TS EN 1604			
Non-combustibility Class / Reaction Fire	RtF		A1							TS EN 13501			
Thermal Conductivity Declaration Value	λ D	W/mK	10 °C	50 °C	100 °C	150 °C	200 °C	250 °C	300 °C	350 °C		TS EN 12939	
			0,036	0,04	0,045	0,055	0,07	0,079	0,086	0,092		TS EN 12667	
Thickness Class	Ti	mm	T4							TS EN 823			
Thickness	dN	W/mK	25	30	40	50	60	80	100				
Inner Diameter		mm	13	21	21	21	21	60	114				
			21	27	27	27	27	76	141				
			27	33	33	33	33	89	169				
			33	42	42	42	42	114	219				
			42	48	48	48	48	141	273				
			48	60	60	60	60	169					
			60	76	76	76	76	219					
			76	89	89	89	89	273					
			89	114	114	114	114	324					
			114	141	141	141	141	354					
				169	169	169	169						
				219	219	219	219						
					273	273	273						
					324	324	324						
					354	354	354						
Release of dangerous substances										TS EN 13162			
Facing			Aluminium Foil Coated										



STONE WOOL

Stock and Storage Conditions

- If possible, the materials should be stacked in a closed environment on low slope, protected from water, on flush wooden blocks. Pallets should not be stacked.
- If stacked in open environment, nylon or tarpaulin should be covered so as not to interrupt the air flow and create a pool to protect it from water. Sheets should be protected from the sun as well as protected from water.
- Materials are in packages; a crane should be used if possible at the construction site or on the roof. As the pallet sizes and sizes vary, the appropriate forklift or crane should be selected.
- If pallets are to be transported by crane, steel or chain ropes should never be used, and flat ropes (nylon, hemp, silk) should be preferred. Wooden wedges should be placed where the ropes come from and their edges should be protected. Wedges should overflow 3.5 cm from the pallets.



Gypsum Wool



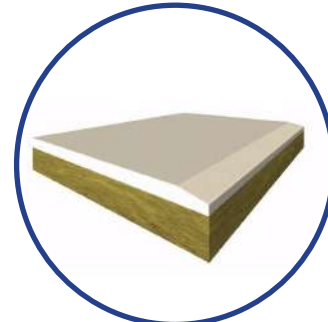
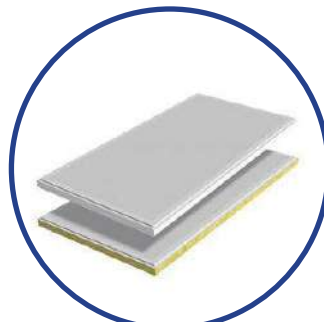
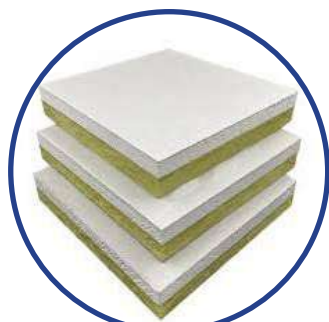
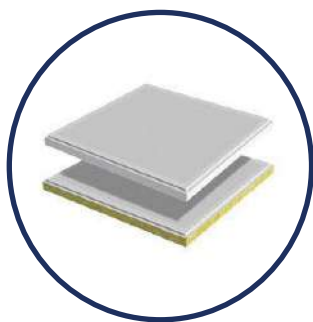
STONE WOOL

XPS

EPS

GypsumWool is a composite product, stonewool board with gypsum board on one side, provides maximum thermal insulation while providing sound insulation thanks to the stone wool it contains. Aluminum foil in between stonewool and gypsum board eliminates the risk of condensation and also it does not bring additional weight to the building as it has a light structure.

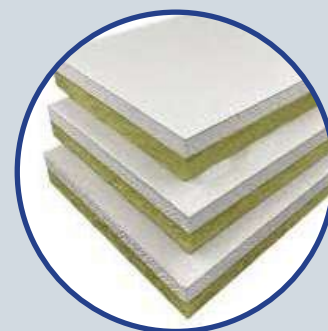
Aluminum foil in between stonewool and gypsum board eliminates the risk of condensation and also it does not bring additional weight to the building as it has a light structure.



Application Area

- Wall surface to be insulated is cleaned and prepared for the application.
- Boards are cut according to the wall size so that there is 1 cm.
- Special gypsum fixing mortar is put on the glass wool side of the board, so that 3-5 kg (8-9 chunks) per square meter is applied.
- Gypsumwool boards are placed on to the wedges of 10 mm which were put in beforehand.
- After the boards are leaned against the wall, a rubber hammer and a floating rule are used for levelling.
- The boards are supported until the adhesive sets.
- The joints are filled with a special net and paste.
- The application is completed with top coat paint.
- Since the walls with gypsumwool application work with mass-spring-mass principle, they offer better sound insulation and do not impose load on the building than the one layered and heavy walls which only work with mass principle.
- Aluminium foil between glass wool board and gypsum board prevents the risk of condensation

Gypsum Wool Technical Data



STONE WOOL

XPS

EPS

Product Type / Usage Area	GypsumWool										
Features	Standart Imression	Declaration Symbol	Unit	Declaration Value						Tolerance	Ref. Standard
Material	zz	MW		Stonewool						-	TS EN 136612
Lenght	l	l	mm	2700						± %2	TS EN 822
Width	b	b	mm	1200						± %1,5	TS EN 822
Dimensional Stability	Δ&eD	DS(70-)	%	max 1						-	TS EN 1604
Non-combustibility Class / Reaction Fire	RtF	-	-	A2 - s1 - d0						-	TS EN 13501
Thickness	dN	dN	mm	15	20	30	40	50	60	-	TS EN 823
Thickness Class	-	Ti	mm	T4						-%3 or -3 mm* +%5 or +5 mm*	
Declararion Value (10 °C)	-	λD	W/mK	max 0,035						-	TS EN 12939/12667
Thermal Resistance Declaration Value	dN	dN	mm	15	20	30	40	50	60	-	TS EN 823
Planarity / Surface Smoothness	Smax	Smax	mm	S6						6mm	TS EN 825
Deviation from squareness	Sb	Sb	mm/m	S5						5mm	TS EN 824
Packing Material	-	-	-	PE Film - Palette						-	-
Other information	-	-	-	It consists of stone wool and gypsum plate						-	-

Extruded Polystyrene Foam

It is a thermal insulation material manufactured using polystyrene foam (XPS) which has been expanded by extrusion method. It is produced in different board and edge shapes in board form in different sizes and compression strengths according to its usage area and purpose.



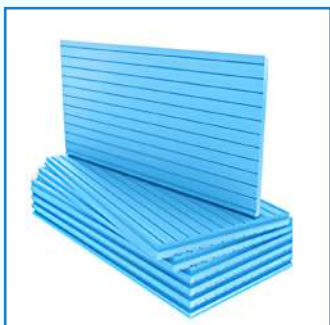
STONE WOOL

XPS

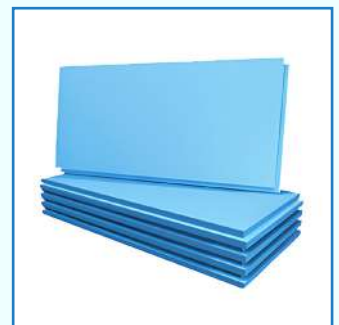
EPS

How is XPS Produced ?

They are foam materials that have homogeneous cell structure, produced and used for thermal insulation. XPS raw material polystyrene is produced as a foam under constant pressure by a continuous extrusion process with the help of a blowing agent. It is produced as a plate with closed cell structure. The board product with closed cell structure is subjected to surface treatment in accordance with the usage place.



ROUGH CHANNEL



FLAT BOARD

What are the General Features and Advantages?

- Low thermal conductivity value.
- Continuous and non-decreasing - thermal conductivity value thanks to its water absorption feature.
- Frost resistance.
- Thanks to its high compression and bending strength, its thickness does not decrease over time. High modulus of elasticity and dimensional stability. value suitable for the usage place thanks to the optimum vapor diffusion resistance. XPS products can be used for recycling without mixing with other plastics.
- It can be cut with all kinds of cutting tools, it is not crumbly and does not give waste. It has closed porous cell structure.



Flat Surface XPS

Flat Surface XPS Sheets; as a result of the processing of polystyrene raw material by extrusion, the edge shape is produced with a lamp bead and the surface shape is flat-armed.

XPS; It has a high level of water impermeability with its flat-armed surface shape and eliminates heat bridges with edge shape. XPS, which provides thermal insulation at the maximum level with its low thermal conductivity value, does not dissipate or crumble with its high compressive strength.

STONE WOOL

XPS

EPS

Usage Areas

Flat Surface Sheets, due to their high compressive strength and especially waterproof properties.

Terrace roofs, subsoil curtain walls and foundation insulation in contact with the soil.

- All kinds of exterior facades that do not require plaster are used for thermal insulation and especially in siding application,
- Flooring, under-parquet and underfloor heating systems,
- On hipped roofs, under the roof tiles and under the rafter,
- On the sandwich walls,
- In underfloor heating systems,
- It is used in all kinds of prefabricated composite systems and double walls.



It is thinner because it has high thermal insulation value, so it saves labor and space by using it in thicknesses.

Rough Channel XPS

Rough and Rough Channelled Surface XPS Boards; As a result of the processing of polystyrene raw material by extrusion, the edge shape is produced with lamp bin and the surface shape with rough or rough-channel. XPS; It can provide high adherence where it is applied with its surface shape and eliminating heat bridges with its edge shape. XPS, which provides thermal insulation at a maximum level with its low thermal conductivity value, does not dissipate or crumble with its high compressive strength.

STONE WOOL

XPS

EPS

Usage Areas

Flat Surface Sheets, due to their high compressive strength and especially waterproof properties.

Terrace roofs, subsoil curtain walls and foundation insulation in contact with the soil,

- All kinds of exterior facades that do not require plaster are used for thermal insulation and especially in siding application,
- Flooring, under-parquet and underfloor heating systems,
- On hipped roofs, under the roof tiles and under the rafter,
- On the sandwich walls,
- In underfloor heating systems,
- It is used in all kinds of prefabricated composite systems and double walls.



It is thinner because it has high thermal insulation value, so it saves labor and space by using it in thicknesses.

Underlay XPS

XPS Underlay Base; its surface is a flat XPS (Extruded Polystyrene) board and it is used under the parquet to flatten the surface.



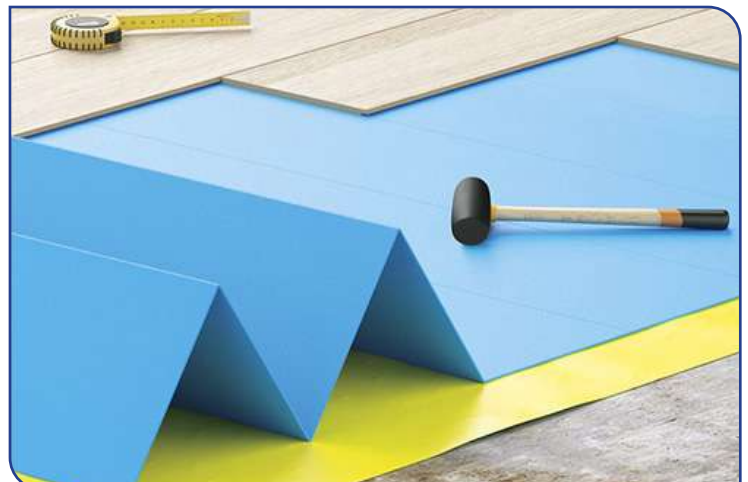
STONE WOOL

XPS

EPS



Usage Areas

- It is used as a separating layer to smooth the surface under the parquet.
- It is used to provide very limited space and minimum thickness in internal thermal insulation of buildings.
- It contributes to heat insulation depending on its thickness.





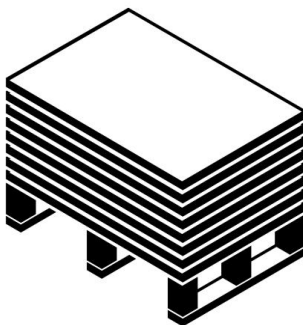
XPS Technical Data

STONE WOOL		XPS			EPS		
XPS Type	Thickness (mm)	Thermal Permeability Resistance (m ² K/W)	Density Kg/m ³	Compressive Strength of perpendicular kPa	Thermal Conductivity Declaration Value (W/mK)	Weight	Lenght
XPS1500 C100	30	0,85	18 - 20	100	0,035	600	1500
	40	1,1					
	50	1,4					
	60	1,7					
XPS1500	30	0,85	22 - 24	150			
	40	1,1					
	50	1,4					
	60	1,7					
	70	2					
XPS2000	20	0,55	24 - 26	200			
	30	0,85					
	40	1,1					
	50	1,4					
	60	1,7					
	70	2					
XPS2500	80	2,25	26 - 28	250			
	20	0,55					
	30	0,85					
	40	1,1					
	50	1,4					
	60	1,7					
XPS3000	70	2	28 - 32	300			
	80	2,25					
	20	0,55					
	30	0,85					
	40	1,1					
	50	1,4					
	76m ³						
	64m ³						



Extruded Polystyrene Foam (XPS) Stock and Storage Conditions

- Thermal insulation board should be protected from sunlight when long term storage is required.
- If the thermal insulation boards are exposed to sunlight for a long time, it may be observed that their surface and size deteriorates.
- Thermal insulation boards are produced by using fire preventive additives.
- Thermal insulation boards should not be used with solvent materials.
- It should be paid attention to horizontal stacking. If stacked vertically, edges may lose their linearity and be damaged.



Expanded Polystyrene Foam

Expanded Polystyrene Hard Foam (EPS Expanded Polystyrene Foam) is a thermal insulation material produced as a result of the contact of polystyrene raw material obtained from petroleum by the polymerization of styrene monomer with water vapor, by inflating the granules of pentane gas contained in the raw material granules and adhering to each other.

It is produced in different form and plate form in different sizes and structural features, depending on the area and purpose of use.



STONE WOOL

XPS

EPS

How is EPS Produced?

Pentane, which is an organic component, replaces with air during production and in a very short time after the production of many small pores in the particles. The released pentane gas turns into CO₂ and water vapor in the atmosphere.

With the release of the pentane, stagnant air is trapped inside the numerous small closed porous cells within the material.

After the material is supplied as raw material in small particles, it undergoes pre-inflation. Meanwhile, pentane gas in the particles is replaced by air, and the desired density of the material is largely achieved at this stage.

Then the expanded particles, which are rested in special silos, are ensured to fuse with each other with the help of water vapor in the mold and gain the properties of the material.



What are the General Features and Advantages?

- The fact that its production is not energy intensive is another important reason of being economical despite its superior technical features. In addition to the effective mechanical resistance, the selling gas is replaced with air in a very short time, ensuring that the performance of the product remains constant throughout its lifetime.
- Its thickness does not decrease, its thermal conductivity does not increase, its mechanical properties do not change, and its other properties do not deteriorate over time.
- Since it is closed porous, water absorption rate is very low. Water vapor diffusion resistance factor is 20-100 depending on the density.
- It is very light, easy to carry, easy to shape and easy to apply.
- Its density can be changed over a wide range, so that all its properties can be controlled as desired over wide range.
- Thermal conductivity declaration value is $0.031 \leq \lambda \leq 0.040$ W / mK
- Besides all these features, EPS is an environmentally friendly material since it is 100% recyclable and the materials it contains do not harm the atmosphere and ozone layer. Pentane is an organic gas and is not harmful to human health and the environment. It does not contain ozone layer damaging chlorofluorocarbon and its derivatives (CFC, HCFC).
- It is a 100% recycled material and does not produce waste that will pollute the environment both during the production phase and later stages. It is resistant to bacteria growth. It does not require personal protectors and special security measures during application and production stages. Special types of EPS are also a product that can be used even in food packaging and are not harmful to human health.



EPS White

EPS boards are white, closed porous thermal insulation boards. It is kept until it has dimensional stability in closed environment, It has high compressive strength and insulation.

Polystyrene raw material occurs as a result of contact with water vapor, as the pentane has contained in the raw material granules swells and adheres the granules



STONE WOOL

XPS

EPS

Usage Areas



- Contact facade of the outer walls
- Under siding application
- Inclined and terrace roofs and terrace gardens in the buildings
- The floors in the buildings
- The overhangs in the buildings
- The ceilings in the buildings
- The floating floors in the buildings
- Cold storage tanks
- In dilatation joints In hollow construction
- In order to increase ground strength by filling in loose floors
- It is used for duct, tank, warehouse insulation, buildings for other purpose





EPS White

STONE WOOL	XPS	EPS
------------	-----	-----

Product Type Usage Area	Dimension	Thickness Range min/max (mm)	Density kg/m ³	Thermal Conductivity Declared Value (W/mK)	Thermal Resistance Range min/max (m ² k/W)
EPS 30 White	500x1000	10mm 100mm	10-12-14-16-18-22 kg/m ³		
EPS 40 White	500x1000	10mm 100mm	10-12-14-16-18-22 kg/m ³	0,041 W/mK	0,20 m ² k/W-2,40 m ² k/W
EPS 50 White	500x1000	10mm 100mm	10-12-14-16-18-22 kg/m ³	0,040 W/mK	0,25 m ² k/W-2,50 m ² k/W
EPS 60 White	500x1000	10mm 100mm	10-12-14-16-18-22 kg/m ³	0,039 W/mK	0,25 m ² k/W-2,55 m ² k/W
EPS 80 White	500x1000	10mm 100mm	10-12-14-16-18-22 kg/m ³	0,038 W/mK	0,25 m ² k/W-2,60 m ² k/W
EPS 90 White	500x1000	10mm 100mm	10-12-14-16-18-22 kg/m ³	0,037 W/mK	0,25 m ² k/W-2,70 m ² k/W
EPS 100 White	500x1000	10mm 100mm	10-12-14-16-18-22 kg/m ³	0,036 W/mK	0,25 m ² k/W-2,75 m ² k/W
EPS 110 White	500x1000	10mm 100mm	10-12-14-16-18-22 kg/m ³	0,036 W/mK	0,25 m ² k/W-2,75 m ² k/W
EPS 120 White	500x1000	10mm 100mm	10-12-14-16-18-22 kg/m ³	0,034 W/mK	0,25 m ² k/W-2,90 m ² k/W
	76				
	64				

Carbon EPS

EPS boards are closed porous thermal insulation boards in black- gray white color.

It is kept until it has dimensional stability in closed environment. It has high compressive strength and insulation.

Polystyrene raw material occurs as a result of contact with water vapor, as the pentane gas contained in the raw material granules swells and adheres the granules.



STONE WOOL

XPS

EPS

Usage Areas



- Contact facade of the outer walls
- Under the application of the Yalid Printing (Siding)
- Inclined and terrace roofs and terrace gardens in the buildings
- The floors in the buildings
- The overhangs in the buildings
- The ceilings in the buildings
- The floating floors in the buildings
- It is used in thermal insulation of cold storage tanks
- In dilatation joints
- In hollow construction
- In order to increase ground strength by filling in loose floors
- It is used for duct, tank, warehouse insulation, buildings for other purpose.





Carbon EPS

STONE WOOL	XPS	EPS
------------	-----	-----

Product Type Usage Area	Dimension	Thickness Range min/max (mm)	Density kg/m ³	Thermal Conductivity Declared Value (W/mK)	Thermal Resistance Range min/max (m ² k/W)
EPS 30 Carbon	500x1000	10mm 100mm	14-16-20 kg/m ³	0,035 W/mK	0,25 m ² k/W-2,85 m ² k/W
EPS 40 Carbon	500x1000	10mm 100mm	14-16-20 kg/m ³	0,034 W/mK	0,25 m ² k/W-2,85 m ² k/W
EPS 50 Carbon	500x1000	10mm 100mm	14-16-20 kg/m ³	0,032 W/mK	0,25 m ² k/W-2,90 m ² k/W
EPS 60 White	500x1000	10mm 100mm	14-16-20 kg/m ³	0,032 W/mK	0,30 m ² k/W-3,10 m ² k/W
EPS 60 Carbon	500x1000	10mm 100mm	14-16-20 kg/m ³	0,031 W/mK	0,30 m ² k/W-3,10 m ² k/W
	76				
	64				

Eps Board

EPS BOARD is an insulation board that combines superior mechanical properties and insulation. EPS BOARD, which has a channeled surface on one side and patterned channel on four sides and a lamp side on four sides; It can capable of providing high adherence where it is applied with its surface shape and eliminating heat bridges with its edge shape.

STONE WOOL

XPS

EPS

Usage Areas



- External walls.
- Cold stores.
- Under plastered insulation (plastered) in plastered facade systems. (Contact Facade).





EPS Board

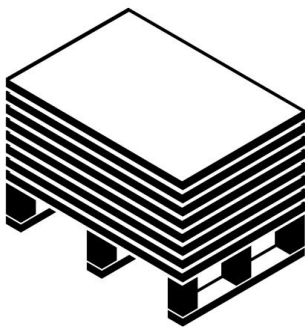
STONE WOOL	XPS	EPS
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Product Type Usage Area	Dimension	Thickness Range min/max (mm)	Density kg/m ³	Thermal Conductivity Declared Value (W/mK)	Thermal Resistance Range min/max (m ² k/W)
EPS Board 80	600x1200	30mm-50mm	12-14-16-18 kg/m ³	0,038 W/mK	
EPS Board 100	600x1200	30mm-50mm	12-14-16-18 kg/m ³	0,036 W/mK	
			76		
			64		



Expanded Polystyrene Foam (EPS) Stock and Storage Conditions

- If possible, the materials should be stacked in a closed environment on low slope, protected from water, on flush wooden blocks. Pallets should not be stacked.
- If stacked in open environment, nylon or tarpaulin should be covered so as not to interrupt the air flow and create a pool to protect it from water. Sheets should be protected from the sun as well as protected from water.
- Materials are in packages; a crane should be used if possible at the construction site or on the roof. As the pallet sizes and sizes vary, the appropriate forklift or crane should be selected.
- If pallets are to be transported by crane, steel or chain ropes should never be used, and flat ropes (nylon, hemp, silk) should be preferred. Wooden wedges should be placed where the ropes come from and their edges should be protected. Wedges should overflow 3.5 cm from the pallets.





B'iso Geof foam

Geof foam products; It is a light filling material with high bearing strength.

Our product, which saves a lot of time and cost when it is used;

It is used for ground improvement in many areas such as road, soft ground fillings, airport filling, airport filling bridge beam formworks and landscape works.

It is produced with a density of 16, 18, 20 ,22 kg / m³ and its standard size 103x128x405 mm.



STONE WOOL

XPS

EPS



Product Type / Usage Area

Dimensions

Density kg/m³

Thermal Conductivity Declared Value (W/mK)

B'isofoam

103x128x405

16-18-20-22 kg/m³

max. 0,038 W/mK



Asmolen Eps

ASMOLENE is a ceiling and flooring element with high heat and sound insulation made of Polystyrene. Its density varies between 10-30 kg / m³ dimensions are produced in 4050x1280x1030 mm dimensions, such as EPS BLOCK, and cut and sold in the thickness desired by the user.



STONE WOOL

XPS

EPS

Usage Areas

- Curtain concrete
- Cold storage rooms
- Ceiling, floor applications



Product Type / Usage Area

Dimensions

Density kg/m³

Asmolene

4050x1280x1030

10-30 kg/m³

Fish Box

EPS Fish Boxes; It is preferred in the Fishing Sector due to its insolubility in water and does not harm the water, it does not contain any harmful substances, it has high mechanical strength and flexibility.

By using EPS Fish Boxes produced with EPS injection method, products are transported and protected under more hygienic conditions.

STONE WOOL

XPS

EPS

General Features

- It is an environmentally friendly material does not contain chemicals that will harm human health.
- It is very resistant to pressure, not affected by vibration, resistant to impacts.
- It does not adversely affect the smell and taste of the product inside.
- It is suitable for food regulations. Water and steam proof.
- It is used in products that are opaque and light sensitive.
- The product is protected from outside weather effects.
- It does not form bacteria and does not rot over time.
- It does not produce organisms.
- It does not produce products sensitive to sunlight with high opacity.
- It is produced quickly with its technological infrastructure.
- It is environmentally friendly.
- It does not harm the nature.
- It is recyclable.
- Water, water vapor, damp proof.
- It is not corrosive.
- Dust and dirt proof.
- Crush and impact resistance is very high.
- It retains the heat of the product stored for a longer period of time with its high thermal insulation feature.



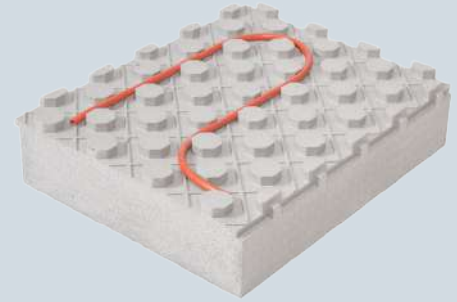
Since it provides the same amount of heat distribution throughout the box, it protects not only the middle parts of the box but also the foodstuffs on the edges against rapidly changing heat.



Underfloor Heating Board

EPS Underfloor Heating Board is a multi-comfort insulation board made of expanded polystyrene foam (EPS), which ensures the fixation of under-screed insulation materials and hot water pipes laid on the floor with a healthy distribution.

EPS Underfloor Heating Board; by providing convenience in the installation of PEX pipes under the parquet indoors, it also helps in thermal insulation.



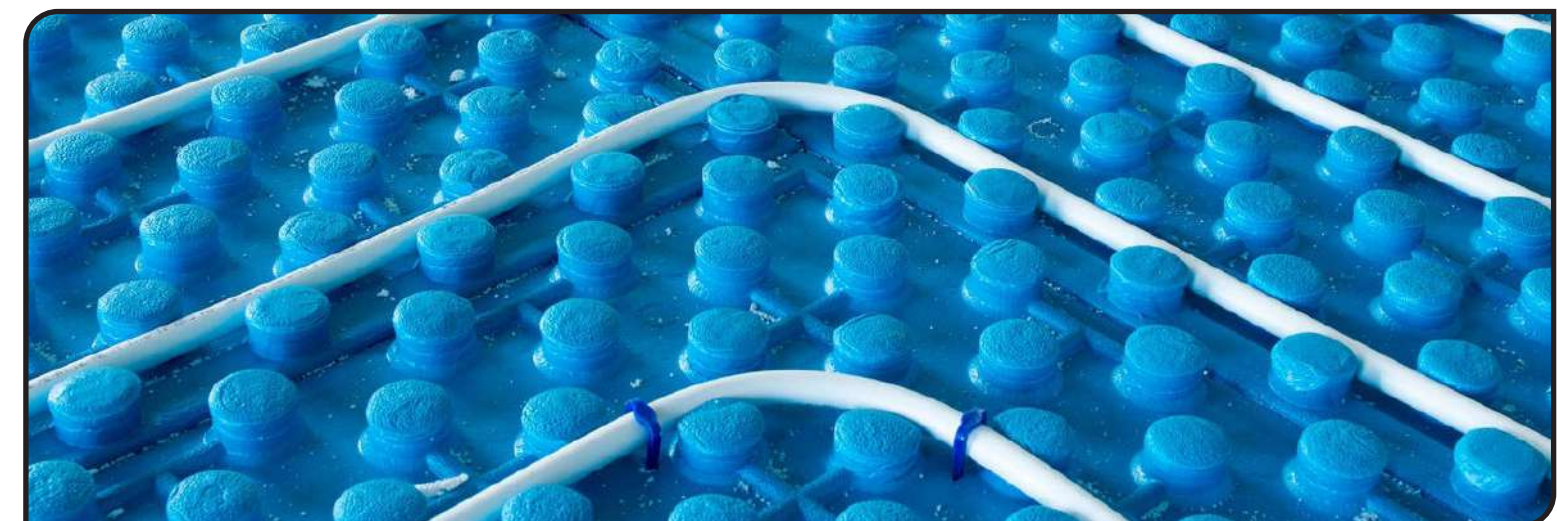
STONE WOOL

XPS

EPS

General Features

- It is resistant to environmental conditions and has long life.
- It does not absorb water.
- It has very good shock absorption.
- It does not produce bacteria.
- Hot water pipes passing through the channels cannot be dislodged due to the wide ends of the knobs next to them.
- It is much easier to lay equally spaced hot water pipes thanks to pipe laying channels.
- It prevents pipes from collecting on one side when screed is applied on underfloor heating.
- It moves as a whole in the place where it is laid with the tenons on the edges.





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