



Membrane XPS Stone Wool Shingle Thermal Insulation System



Siding & Polymer Door and Window Systems
Production Facility / Gaziantep



XPS & Bitumen Membrane
Production Facility / İstanbul



ERYAP GROUP founded in Turkey by its current Chairman KAHRAMAN ERUSLU, started to production journey with different products in the 1960s, since the first day constantly investing in growing industries. As a leading manufacturer of the construction materials since 2001, ERYAP GROUP has been producing polymer based vinyl siding systems for the facade cladding, PVC door and window systems and insulation materials for construction sector providing solutions for the thermal, water, acoustic insulation and fire protection in building, industrial applications in its three factories covering a total surface area of over 150.000m².

ERYAP GROUP has established its first factory in Gaziantep to produce polymer based siding under the brand name of **AMERICAN SIDING** and became the first Company to produce the vinyl siding commercially in Turkey. The company began manufacturing and supplying Extruded Polystyrene(XPS) Thermal Insulation Boards under **BONUS** brand at its second factory in Silivri/Istanbul in 2005. In order to expand the products range and satisfy the increasing customer demands, the Company launched new factory to manufacture waterproofing membranes under **BONUS** Brand in 2007. **ERYAP GROUP** started to supply the **BONUS Thermal Insulation Systems** in 2009, as a part of its responsibility for the overall products available to the distributors. Later we started PVC Doors&Windows System in an innovative way under the brand name **WINER** in 2010, providing a high level quality, comfort and convenience, long useful life, brilliant white color. **BONUS SHINGLE** products designed for roofs with wide range of shapes and colors in year 2010. Finally, **ERYAP GROUP** has set up the first stonewool production line its third factory in Sakarya in 2012 and continued to expand its production capacity by the the second line in 2017 with the extensive experience in the insulation sector.



Stone Wool
Production Facility /Sakarya



Stone Wool



**YOUR ENERGY IN NATURE AND
ENVIRONMENTALLY FRIENDLY**



BONUS|STONE WOOL products are natural fibrous material with its thermal and sound insulating properties, excellent performance for the fire protection of residential area and industrial structures. Stone wool is produced from volcanic minerals such as basalt, limestone, dolomite, and bauxite. It is non-combustible with a melting point of approximately 1000°C. The minerals, as raw materials, are initially fused in an electric furnace and the vitreous melt is then spun into fibres. BONUS|STONE WOOL Building Insulation products are formed in boards, rolls and loose fill in a variety of dimensions. The products may also be manufactured with facings with excellent thermal insulation, with a very low thermal conductivity coefficient and excellent thermal resistance even at high temperatures.



Product Range

BONUS|STONE WOOL can manufacture rockwool products ranging from density 40kg/m³ to 200kg/m³ and thickness 25 mm - 150 mm.

Facing :- Aluminium Facing (ALU), Black Glass Tissue Facing (Black),
None Facing

Areas of Usage

- Partition walls • Stairwell and elevator shafts • Exterior thermal insulation systems • Steel and wooden roof systems with any angles • Trafficable and non-trafficable flat roof • Floating floor • Aluminium, PVC, Granite, Marble and glass facade systems • Sandwich panel systems that require class A1 Fire Resistance • Fire doors • Vessel interior fittings
- Cofferdam walls & internal sound insulation of air conditioning and ventilation ducts.

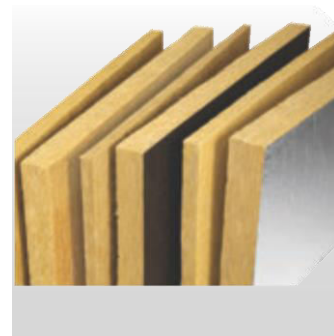
*For further information about different compressive strength, please ask to sales representative.



BONUS|STONE WOOL GOLD

BONUS|STONE WOOL GOLD PLUS

BONUS|STONE WOOL GOLD&GOLD Plus are of same series where as the name Gold is used for the lower density products up to 50 kg/m³ and Gold Plus is used for the densities above 50kg/m³ and are mainly used for ventilated facade or rain-screen cladding systems(aluminium, pvc, granite, ceramic, glass) , concrete wall or brick wall & internal sound insulation of air conditioning and ventilation ducts..



Product	Density	Thickness	W x H	Thermal conductivity	Thickness Class	Compressive Strength	Tensile Strength
	kg/m ³	mm	mm x mm	W/mK		kPa	kPa
GOLD	40-50	40 - 120	600 X 1200	0,033	T4	NPD	NPD
GOLD PLUS	50-200	25 - 150	600 X 1200	0,033	T4	NPD	NPD

*For further information about different compressive strength, please ask to sales representative.

BONUS|STONE WOOL PRO

Can be manufactured density from 40kg/m³ to 120kg/m³ and Used over or under roof and attic floor sections. it is manufactured in roll form with Aluminum facing and unfaced.



Product Code	Thickness	Density	Thermal conductivity	W x H	Thickness Class	Compressive Strength	Tensile Strength
	mm	kg/m ³	W/mK	mm x mm		kPa	kPa
PRO 40	50 – 70	40	0,036	1200 x 8000	T1	NPD	NPD
	80 - 120			1200 x 5000			
	140						
PRO 50	50 - 60	50	0,036	1200 x 8000	T1	NPD	NPD
	70 - 120			1200 x 5000			
	140			1200 x 3000			
PRO 80	50	80	0,036	1200 x 5000	T1	NPD	NPD
	60						

* For further information about different compressive strength, please ask to sales representative..





BONUS|STONE WOOL INDUSTRIAL MW

BONUS|STONE WOOL INDUSTRIAL MW is produced in roll form density from 30kg/m³ to 120kg/m³ with wire mesh and used for fire safety and thermal insulation of industrial plants, process equipments such as boilers, pipes, channels, ovens. The rolls are suitable for application in high temperature. They are available in 4 different types as MW 650, 700, 720, 750 with different thickness and different technical values.

Product Code	Depth	Density	Thermal conductivity		W x H	Thickness Class	Compressive Strength	Tensile Strength
	mm	kg/m³	°C	W/mK	mm x mm		kPa	kPa
INDUSTRIAL MW 650	30 - 40	80	50	0,040	1000 x 8000	T1	NPD	NPD
			100	0,050				
			150	0,058				
	50 - 60		200	0,061	1000 x 5000			
			250	0,082				
	70 - 120		300	0,095	1000 x 3000			
			350	0,117				
INDUSTRIAL MW 700	30 - 40	90	50	0,040	1000 x 8000	T1	NPD	NPD
			100	0,050				
			150	0,058				
	50 -60		200	0,061	1000 x 5000			
			250	0,082				
	70 - 120		300	0,095	1000 x 3000			
			350	0,117				
INDUSTRIAL MW 720	30 - 40	100	50	0,038	1000 x 8000	T1	NPD	NPD
			100	0,048				
			150	0,056				
	50 - 60		200	0,065	1000 x 5000			
			250	0,075				
	70 - 120		300	0,082	1000 x 3000			
			350	0,096				
INDUSTRIAL MW 750	30 - 40	125	50	0,040	1000 x 8000	T1	NPD	NPD
			100	0,047				
			150	0,054				
	50 - 60		200	0,073	1000 x 5000			
			250	0,073				
	70 - 120		300	0,080	1000 x 3000			
			350	0,094				

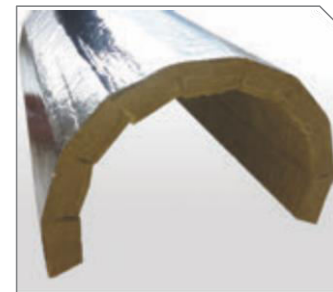
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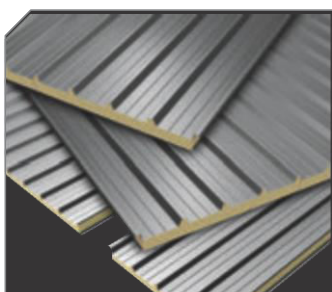
BONUS|STONE WOOL FLEXIBLE ALU

It is designed and produced for chimney sections withstanding on high tempratures. It provides not only termal insulation but also fire protection for the building and increases the service life of chimneys.



Product Code	Thickness	Density	Thermal conductivity		W x H	Thickness Class	Compressive Strength	Tensile Strength
	mm	kg/m ³	°C	W/mK	mm x mm		kPa	kPa
FLEXIBLE ALU	25	100	50	0,040	950 x 8400	T5	NPD	NPD
			100	0,050				
			150	0,058				
			200	0,061				
			250	0,082				
			300	0,095				
			350	0,117				

* For further information about different compressive strength, please ask to sales representative.



BONUS|STONE WOOL PANEL

BONUS|STONE WOOL PANEL products are used for sandwich panel production. Stonewool insulated panels has excellent fire resistance and used in wall and roof cladding in industrial facilities, airplane hangars, shopping malls, military structures, prefabricated contrsuction site and cold storages, warehouses.

Product Code	Density	Thickness	W x H	Thermal conductivity	Thickness Class	Compressive Strength	Tensile Strength
	kg/m ³	mm	mm x mm	W/mK		kPa	kPa
PANEL	100 - 200	30 - 200	1200 x 2500	0,040	T4	NPD	NPD

* For further information about different compressive strength, please ask to sales representative.



BONUS|STONE WOOL LOOSE

Used in double-walled containers, laboratory devices, electrical house appliances, ovens, electrical cables, installations and exhaust pipes.

Product Code	Thermal conductivity coefficient*
	W/mK
Loose Stonewool	0,036

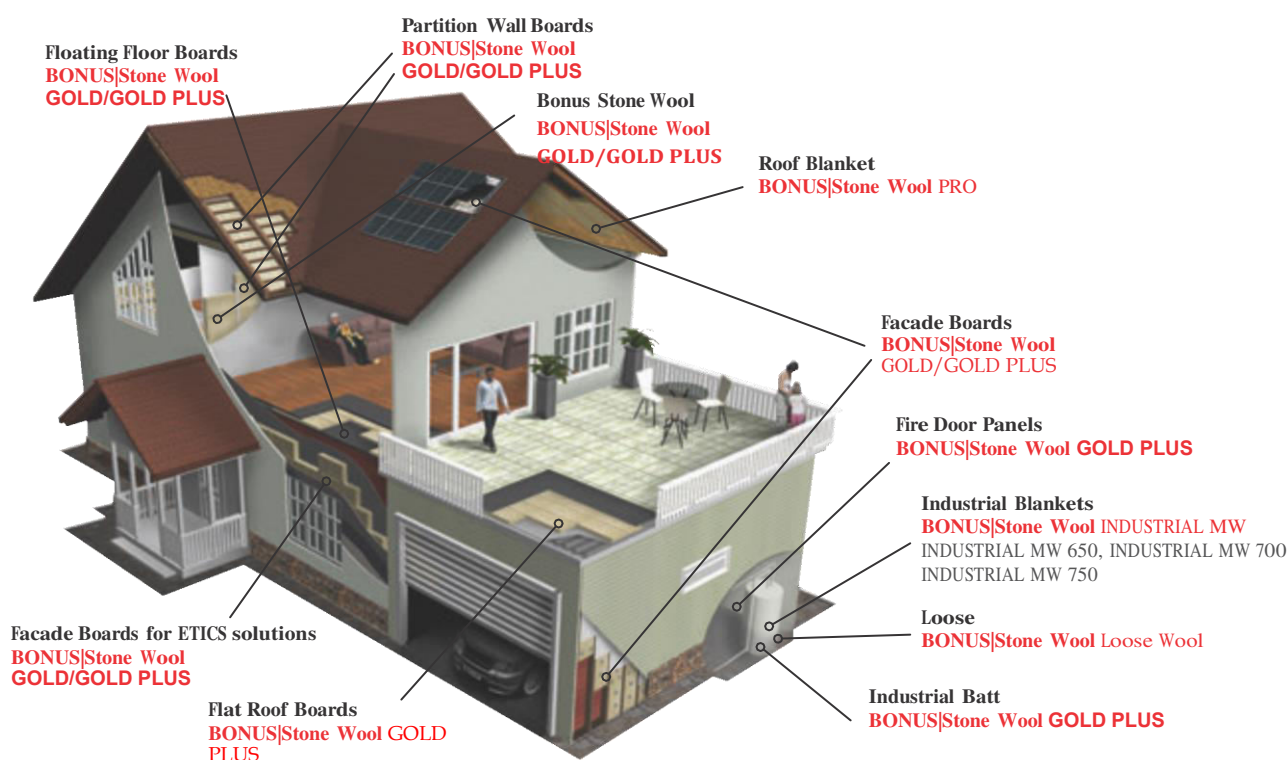
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BONUS|STONE WOOL

BONUS|STONE WOOL manufactured in the forms of blanket, board or loose in different size and with different technical properties, with different facing materials according to the intended use and the place of use. It is used for thermal insulation, sound insulation, acoustic comfort as well as fire safety. It is natural product is resistant to atmospheric factors, which guarantees maintaining its insulating properties and remaining intact during many years of its life. The use of natural raw materials makes the stone wool a natural and environmentally friendly product with excellent thermal, sound insulating and fire safety properties. It is your energy in nature. We offer The good insulation in every aspect of your life. BONUS|STONE WOOL is a fire-resistant, water-repellent heat and sound insulation material containing 97% natural fibers and produced by melting minerals and inorganic stones derived from volcanic rocks such as basalt, diabase and dolomite between 1400-1500 °C to form fibers.

Stone wool, which has a saturated structure and is obtained at the end of special procedures applied to all layers of its fibrous structure, prevents humidity from being absorbed in the building thanks to its steam permeability, while acting as a good water repellent. Buildings insulated with BONUS|STONE WOOL become healthier and more comfortable. Thanks to its dimensional stability, stone wool is not affected by temperature changes. Its long fiber structure allows obtaining a product with smooth edges and surfaces during cutting and lamination.



Feature	Description	Unit	Standard
Fire class	A1	-	EN 13501-1
Water vapor diffusion resistance	1	-	EN 12086
Thermal conductivity	0,033-0,040	W/mK	EN 12667/12939
Density	40-200	kg/m ³	EN 1&02
Thickness tolerance	T1-T5	mm%	EN 823
Short-term water immersion and water absorption	<1	kg/m ²	EN 1609
Long-term water immersion and water absorption	<3	kg/m ²	EN 12087
Melting point	>1000	°C	DIN 4102

BONUS|STONE WOOL provides excellent thermal insulation with a low thermal conductivity value, by enabling better dispersion of the air trapped inside of it and its separation from external conditions, thanks to its long fiber structure produced through advanced production technology.

It creates a peaceful and healthy area of living by absorbing noise and vibration. With its resistance to temperatures above 1000 °C, it is described as a fully fireproof material of A1 class according to TS EN 13501-1 standard and ensures complete fire safety in buildings. Mattress and plate type products are manufactured in accordance with TS EN 13162 and TS EN 14303 standards.







www.bonusyalitim.com.tr



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