Better Insulation

Bonus **Membrane**

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Since 2001, Eryap Grup has been offering a wide product portfolio to the construction sector with three integrated facilities covering more than 200,000 m² of production area. From exterior cladding systems to thermal, waterproofing, acoustic, and fire insulation materials, and from polymer door and window systems to a wide range of other solutions, it holds a leading position in the industry.

The innovative production approach, which began with American Siding introduced to the sector at the Gaziantep facility, was further advanced with Bonus XPS extruded polystyrene thermal insulation boards at the Silivri facility in 2005, Bonus Membrane bituminous waterproofing sheets in 2007, Bonus Thermal Insulation System in 2009, Winer polymer door and window systems in 2010, and the eco-friendly Bonus Stone Wool products in 2012. Today, Eryap Grup continues its journey as a strong brand in both domestic and international markets, with an extensive dealer network across 81 provinces and export power reaching more than 65 countries.

Adopting as a core principle the minimization of environmental impacts in its production processes, efficient use of energy resources, and contribution to sustainable development, Eryap Grup fully complies with the TS 11758-2 standard, which defines single-layer waterproofing performance. Particularly in 3 - 3.5 - 4.5 mm Proof-type membranes, the company adheres to the defined technical criteria, aiming to ensure long-lasting, high-quality, and safe structures.

This vision turned into tangible success when Bonus Proof received the “Waterproofing Product of the Year Award” in 2024, followed by the “Investment of the Year Award” in 2025 with its Ultrabond Membrane products. With its innovative and reliable solutions, Eryap Grup and Bonus Insulation continue to add value to the construction sector, maintaining their pioneering role in delivering durable, eco-friendly, economical, and safe buildings.

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As Bonus Yalıtım, with 25 years of industry experience and 18 years of expertise in membrane production, we operate in our Silivri facility with an annual production capacity of 12,000,000 m² and a storage area of 800,000 m². Our Bonus membrane production has completed all national and international certification processes and takes part in the sector as a registered brand. With all our Bonus membrane products, we comply with the EN standards in line with European Union norms and continue to provide solutions for safe structures with our high-quality approach.

TS EN 13707: Flexible sheets for waterproofing – Reinforced bitumen sheets used for roof waterproofing.

TS EN 13969: Flexible sheets for waterproofing – Bituminous damp proof sheets including those used for storage purposes in basements.

TS 11758-2: Polymer bitumen sheets – Waterproofing membranes manufactured from plastomeric and elastomeric polymer bitumen with glass fleece, polyester felt, or glass fabric reinforcement, applied by torch-on method, used in major engineering structures, tunnels, artificial ponds, water channels, waste storage sites, treatment plants, and swimming pools.

Membrane

Bituminous membrane is a safe and reliable waterproofing material that protects buildings against the adverse effects of water. It provides an effective solution not only for critical areas such as foundations, retaining walls, basements, gardens, terraces, and roofs but also for structures exposed to heavy loads, such as bridges and viaducts. With its polymer-reinforced structure, the bituminous membrane demonstrates high durability. Produced with polyester and fiberglass reinforcements offering different tensile, tear, and rupture strengths, it gains flexibility and strength. At the same time, its ease of application offers a practical and long-lasting waterproofing solution.

In reinforced concrete structures, steel reinforcements exposed to water undergo corrosion, quickly losing their load-bearing capacity and reducing earthquake resistance. Research shows that in buildings without waterproofing, load-bearing capacity decreases by 50% within just 5 years, and steel reinforcements may completely lose their function within 24 years. Therefore, the use of bituminous membranes in critical areas is of vital importance. Effective waterproofing applications extend the lifespan of buildings, protect structural systems, and enhance earthquake resistance.

Although the waterproofing regulation introduced in 2018 was an important step toward creating safe buildings, risks still persist due to deficiencies in older structures. According to the Ministry of Environment, Urbanization and Climate Change, 6 million buildings in Türkiye are at risk, with 2 million requiring urgent transformation. In Istanbul, the rapid reinforcement of 600,000 buildings is of great importance. Creating earthquake-resistant structures is not a choice but a necessity, and the role of membrane applications in effective waterproofing is critical.

Areas of Use

- Foundations and retaining walls
- Roofs
- Terraces
- Wet areas
- Viaducts
- Tunnels
- Pools
- Canals and ponds

Bonus Membrane contains various reinforcing polymers in its structure. These polymers not only enhance the material's durability but also play a key role in the product's easy application and excellent waterproofing performance.

The bitumen, reinforced with polymers, reaches its final properties with the use of polyester or fiberglass carriers that offer high tensile strength and resistance to tearing and rupture. Thanks to its carrier properties, Bonus Membrane adapts proportionally to different structural details and climatic conditions. Its ease of application and superior waterproofing performance distinguish it from other insulation materials and make it a superior waterproofing solution compared to other materials.

Your
Waterproofing
Assurance

Bonus Membrane Proof

Bonus Membrane Proof (-20 °C)

Features

Bonus Membrane Proof is a high-performance waterproofing product that does not require protective concrete in foundation and single-side applications, thanks to its elastomeric (SBS) content. It provides long-lasting and effective protection by strongly adhering to fresh concrete under pressure and heat during hydration. With its polyester felt carrier enhancing durability, this product maintains its flexibility even at -20°C and offers a strong, robust structure.

Bonus Membrane Proof delivers superior performance in foundations and single-sided retaining walls, ensuring effective protection of structures against harsh external conditions. Thanks to its SBS-enhanced structure, the product remains flexible and bonds tightly with fresh concrete, forming a seamless, waterproof barrier compatible with structural movement. This both extends the lifespan of the structure and protects interior spaces from water ingress. The polyester felt carrier provides high durability and strong adhesion.

Its special formulation allows it to maintain flexibility at temperatures as low as -20°C, offering a strong and reliable structure. With reinforced components, it provides additional resistance to punctures. The membrane ensures safe waterproofing against point-source water infiltration, preventing possible water movement between the membrane and concrete, and enables spot-injection intervention where leaks may occur.

Compared to traditional waterproofing membranes that require multiple layers, it offers cost and time savings with single-layer application. Since it adheres tightly to the surface from the underside, it strengthens the bond and enhances durability. Unlike conventional methods, no mechanical fixing is required. Protective concrete and geotextile layers are unnecessary. Considering building height, it provides significant savings in excavation and labor costs.

Areas of Use

- Foundation waterproofing
- Single-sided retaining wall waterproofing

Technical Specifications

Product Type	Product Code	Thickness (mm)	Carrier Type	Tensile Strength Long. / Trans. (N/5 cm)	Roll Dimensions Width x Length (m)
Proof	EP300 V	3,0	Polyester Felt	800 / 600	1 x 10
	EP350 H	3,5			
	EP450 H	4,5		1000 / 800	1 x 8
	EP450 H DC	4,5			

Bonus Membrane Proof
Technical Properties

Property		Test Method	Unit	Value or Criteria							
				EP300 V		EP350 H		EP450 H		EP450 H DC	
				Tolerance	Value	Tolerance	Value	Tolerance	Value	Tolerance	Value
Width		TS EN 1848-1	m	min (-0,03)	10	min (-0,03)	10	min (-0,03)	8	min (-0,03)	8
Length		TS EN 1848-1	m	min (-0,02)	1	min (-0,02)	1	min (-0,02)	1	min (-0,02)	1
Thickness		TS EN 1849-1	mm	±0,2	3	±0,2	3,5	±0,2	4,5	±0,2	4,5
Deviation from alignment		TS EN 1848-1	-	-	Pass	-	Pass	-	Pass	-	Pass
Dimensional stability		TS EN 1107-1	%	±0,1	0,6	±0,1	0,6	±0,1	0,6	±0,1	0,6
Visual defects		TS EN 1850-1	-	-	None	-	None	-	None	-	None
Water tightness		TS EN 1928 (Method A 10 kPa)	-	-	Complete	-	Complete	-	Complete	-	Complete
		TS EN 1928 (Method B 60 kPa)			Complete		Complete		Complete		Complete
Impact resistance		TS EN 12691 (Method A)	mm	min	1500	min	1500	min	1750	min	1750
Watertightness after artificial aging		TS EN 1296 / TS EN 1928	-	-	Complete	-	Complete	-	Complete	-	Complete
Resistance to chemicals		TS EN 1847	-	-	Complete	-	Complete	-	Complete	-	Complete
Flexibility at low temperature		TS EN 11069	°C	min	-20	min	-20	min	-20	min	-20
Tear resistance (Nail shank)		TS EN 12310-1	N/50 mm	±%30	200	±%30	300	±%30	400	±%30	400
Joint shear resistance		TS EN 12317-1	N/50 mm	±%30	1000	±%30	1000	±%30	1000	±%30	1000
Water vapor transmission		TS EN 1931	-	-	NPD	-	NPD	-	NPD	-	NPD
Resistance to static load		TS EN 12730	kg	min	20	min	20	min	25	min	25
Tensile strength – MD / CD		TS EN 12311-1	N/50 mm	±%20	800/600	±%20	800/600	±%20	1000/800	±%20	1000/800
Elongation at break – MD / CD		TS EN 12311-1	%	±%20	40/40	±%20	40/40	±%20	40/40	±%20	40/40
External fire performance		TS EN 13501-1	-	-	NPD	-	NPD	-	NPD	-	NPD
Reaction to fire		TS EN 13501-1	-	-	E	-	E	-	E	-	E
Cold bending		TS EN 1109	°C	min	-	min	-20	min	-20	min	-20
Flow resistance		TS EN 1110	°C	min	-	min	100	min	100	min	100
Hydrostatic pressure		ASTM D5385	m(psi)	≥	-	≥	70(100)	≥	70(100)	≥	70(100)
Hazardous substances		-	-	-	None	-	None	-	None	-	None
Adhesion to poured concrete		EN ISO 22631	N/mm	-	-	-	3,4	-	3,6	-	3,7
Crack bridging		EAD030378-00-0605 Clause 2.2.16	N/mm^2	-	Passed	-	Passed	-	Passed	-	Passed
Peeling from bonded concrete	180° peel	EAD030378-00-0605 Clause 2.2.17	N/50 mm	-	NPD	-	NPD	-	NPD	-	NPD
		(TS EN 8510-2 / TS EN 12390-2)									
	180° peel after immersion in water	EAD030378-00-0605 Clause 2.2.18									
	180° peel after exposure to elevated temperature	EAD030378-00-0605 Clause 2.2.19									
	180° peel after cleaning	EAD030378-00-0605 Clause 2.2.20									
Joint resistance to separation		TS EN 12316-1	N/50 mm	min	200	min	200	min	250	min	250

Bonus Membrane Proof
Application Detail Information

Foundation Application Detail with Bonus Proof

After cleaning the lean concrete surface of foreign substances, Bonus Proof EP350 H, EP450 H or EP450 H DC is laid longitudinally on the ground according to the project details, in a staggered arrangement. It is applied as a loose-laid system. Overlaps and self-adhesive joints are lightly heated with a torch and rolled with a 10–12 kg roller to create a proper seam weld. Once the seam cools, reinforcement steel installation can begin immediately.

Single-Sided Retaining Wall Application Detail with Bonus Proof

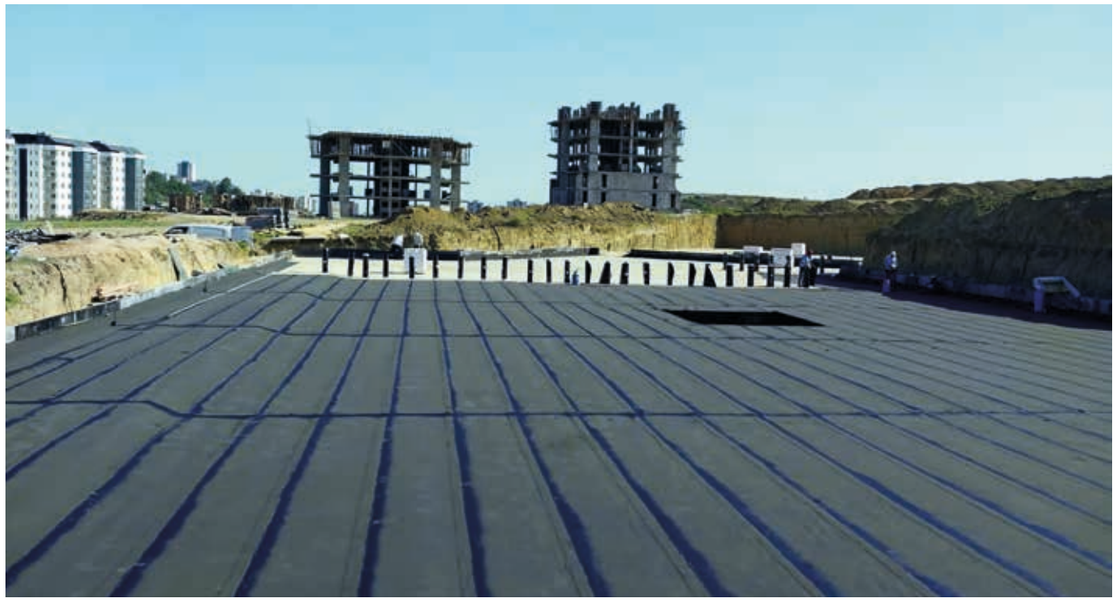
As urban populations continue to grow and available construction space becomes increasingly limited, the demand for usable areas is steadily rising. Rising real estate values have made every square meter more precious, further emphasizing the importance of parking facilities, storage areas, and similar spaces. As a result, single-sided retaining wall applications have become a preferred solution in modern construction.

When insulated with bituminous proof membranes, these systems not only enhance the safety of structures but also maximize usable areas, ensuring sustainable and cost-efficient development. In such applications, our high-performance waterproofing solution, Bonus Proof EP300 V, stands out with its elastomeric SBS modification that ensures full adhesion to fresh concrete under pressure and hydration. Providing complete protection in a single layer, Bonus Proof EP300 V extends the lifespan of buildings while delivering effective solutions to the challenges of modern urbanization.

Application Detail of Bonus Proof EP300 V

Depending on the site conditions, a waterproofing surface is prepared in front of the shoring using materials such as plywood, brick, pumice block, or OSB. On top of this prepared surface, Bonus XPS Plus is placed, followed by a suitable drainage board. Bonus Proof EP300 V is fixed onto the drainage board with a pressure strip. Its self-adhesive backing is removed, and with the help of light torch heating and a trowel, it is firmly attached to the drainage board and overlaps. After reinforcement installation, it adheres monolithically to the freshly poured concrete, providing reliable waterproofing with a fast and accurate single-layer application.

In standard waterproofing applications, a gap is usually left, whereas in single-sided retaining wall waterproofing, this is eliminated. The use of self-adhesive bituminous proof not only ensures efficient use of space but also prevents lateral water migration. While standard applications carry a high risk of lateral water movement, Bonus Proof EP300 V adheres monolithically to the surface, delivering fast, accurate, and reliable waterproofing in just one layer.



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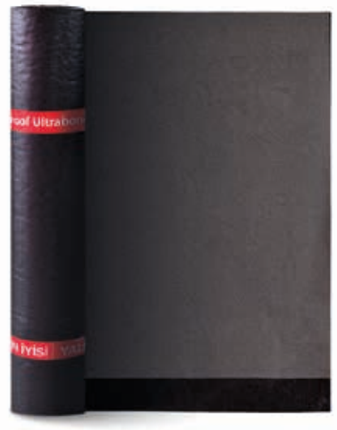
Your
Waterproofing
Assurance

Bonus Membrane Ultrabond

Bonus Membrane Ultrabond (-20 °C)



Features

Bonus Membrane Ultrabond, with its special formulation, ensures strong adhesion to both old and new concrete surfaces, delivering high performance in waterproofing applications for walkable and non-walkable terraces, parking decks, and similar areas. It is produced in a 4.5 (mm) thickness and applied as a single layer, providing high-level protection. This thickness makes it an ideal solution for waterproofing terraces, parking structures, and similar surfaces.

Its elastomeric SBS-modified bitumen structure adds superior elasticity to the material, while the TPU (Thermoplastic Polyurethane) reinforcement enhances durability and provides high resistance to wear. Its special high-grammage polyester felt reinforcement provides superior strength. Thanks to this structure, a high-performance membrane with excellent water tightness is achieved. It remains flexible and durable even in cold climates, down to -20°C, protecting structures in harsh conditions. Its single-layer application reduces material consumption and saves time. The easy application process accelerates waterproofing projects. Under all conditions, it delivers strong performance and offers extra protection against tearing and punctures due to its high durability.

Areas of Use

- Basement retaining wall
- Roof and terrace
- Parking area

Anthracite Grey

Technical Specifications

Product Type	Thickness (mm)	Carrier Type	Tensile Strength Long. / Trans. (N/5 cm)	Roll Dimensions Width x Length (m)
Ultrabond	4,5	Polyester Felt	1000 / 800	1 x 8
Ultrabond Anthracite Grey				

Bonus Membrane Ultrabond Technical Properties

Property		Test Method	Unit	Value or Criteria			
				Ultrabond		Ultrabond Anthracite Grey	
				Tolerance	Value	Tolerance	Value
Width		TS EN 1848-1	m	min (-0,03)	8	min (-0,03)	8
Length		TS EN 1848-1	m	min (-0,02)	1	min (-0,02)	1
Thickness		TS EN 1849-1	mm	±0,2	4,5	±0,2	4,5
Deviation from alignment		TS EN 1848-1	-	-	Pass	-	Pass
Dimensional stability		TS EN 1107-1	%	±0,1	0,6	±0,1	0,6
Visual defects		TS EN 1850-1	-	-	None	-	None
Water tightness		TS EN 1928 (Method A 10 kPa)	-	-	Complete	-	Complete
		TS EN 1928 (Method B 60 kPa)			Complete		Complete
Impact resistance		TS EN 12691 (Method A)	mm	min	1500	min	1500
Watertightness after artificial aging		TS EN 1296 / TS EN 1928	-	-	Complete	-	Complete
Resistance to chemicals		TS EN 1847	-	-	Complete	-	Complete
Flexibility at low temperature		TS EN 11069	°C	min	-20	min	-20
Tear resistance (Nail shank)		TS EN 12310-1	N/50 mm	±%30	300	±%30	300
Joint shear resistance		TS EN 12317-1	N/50 mm	±%30	1000	±%30	1000
Water vapor transmission		TS EN 1931	-	min	20000	min	20000
Resistance to static load		TS EN 12730	kg	min	20	min	20
Tensile strength – MD / CD		TS EN 12311-1	N/50 mm	±%20	1000/800	±%20	1000/800
Elongation at break – MD / CD		TS EN 12311-1	%	±%20	40/40	±%20	40/40
External fire performance		TS EN 13501-1	-	-	NPD	-	NPD
Reaction to fire		TS EN 13501-1	-	-	broof(t²)	-	E
Cold bending		TS EN 1109	°C	min	-20	min	-20
Flow resistance		TS EN 1110	°C	min	100	min	100
Resistance to plant roots		pr EN 13948	-	-	NPD	-	NPD
Hazardous substances		-	-	-	None	-	None
Adhesion strength		TS EN 13596	Mpa	≥	0,4	≥	0,4
Crack bridging		EAD030378 00-0605 Clause 2.2.16	N/mm²	-	Passed	-	Passed
Peeling from bonded concrete	180° peel	EAD030378-00-0605 Clause 2.2.17	N/50 mm	500 kPa	NPD	500 kPa	NPD
		(TS EN 8510-2 / TS EN 12390-2)					
	180° peel after immersion in water	EAD030378-00-0605 Clause 2.2.18					
	180° peel after exposure to elevated temperature	EAD030378-00-0605 Clause 2.2.19					
	180° peel after cleaning	EAD030378-00-0605 Clause 2.2.20					
Joint resistance to separation		TS EN 12316-1	N/50 mm	N/50 mm	250	N/50 mm	250

Bonus Membrane Ultrabond Application Detail Information

In areas most exposed to water such as terraces, roofs, and parking decks, structural damage, interior deterioration, and serious costs become inevitable when proper waterproofing applications are not carried out. Thanks to advanced formulations, new-generation waterproofing solutions not only deliver high performance but also offer ease of application and long-lasting protection. In these systems, features such as full surface adhesion, UV resistance, cold flexibility, and quick application play a critical role in the success of waterproofing. Proper surface preparation, correct detailing, and appropriate product selection are indispensable for permanent and effective waterproofing.

With our innovative vision, Bonus Yalıtım has developed the Bonus Ultrabond Membrane, which provides high-performance waterproofing on both old and new, accessible and non-accessible terraces, roofs, and parking decks. Thanks to its special formulation reinforced with elastomeric bitumen (SBS-modified) and TPU, it delivers full adhesion when applied by torching.

Produced at 4,5 mm thickness, Bonus Ultrabond Membrane is available in both standard and UV-resistant slate-coated options. Unlike traditional membranes, it is applied in a single layer, fully adhered to the surface. This prevents lateral water migration, ensuring complete protection and long-lasting waterproofing.

Surface preparation before application is essential. The substrate must be free of loose or moving particles and properly prepared with a light bituminous primer.

Bonus Ultrabond Membrane is applied across the entire surface by heating, ensuring overlaps of 10 cm lengthwise and 15 cm crosswise, with 20 cm staggered joints. The bitumen and SBS content ensure superior adhesion to the surface, while the TPU component allows the product to heat and cool quickly, making application faster and easier.

With its high flexibility, Bonus Ultrabond Membrane maintains cold bending resistance down to -20°C. By providing void-free, strong, and full adhesion to the surface, it ensures perfect waterproofing. Thus, single-layer application delivers complete protection and long-lasting performance.

Important Considerations During Application

Primer should be applied at 0,1 – 0,150 L/m², without forming a thick film layer. The purpose of the primer is to prevent dusting and ensure strong adhesion of the membrane. Excessive primer application may form a thick layer, negatively affecting adhesion.

If the surface contains moving areas, reinforcement must be carried out before application. Otherwise, these unstable zones may reduce adhesion and overall performance.

All loose materials on the surface must be completely scraped off and removed. Existing voids, cracks, and segregation must be repaired with suitable structural repair mortar to ensure continuity of the application. After these processes, if necessary, the surface should be primed again to prepare it for application.

On old or renovated terrace and roof surfaces where previous membranes, slate coverings, or shingles are present, Bonus Ultrabond Slate-Coated Membrane can be safely used as the final layer in refurbishment applications thanks to its UV resistance.

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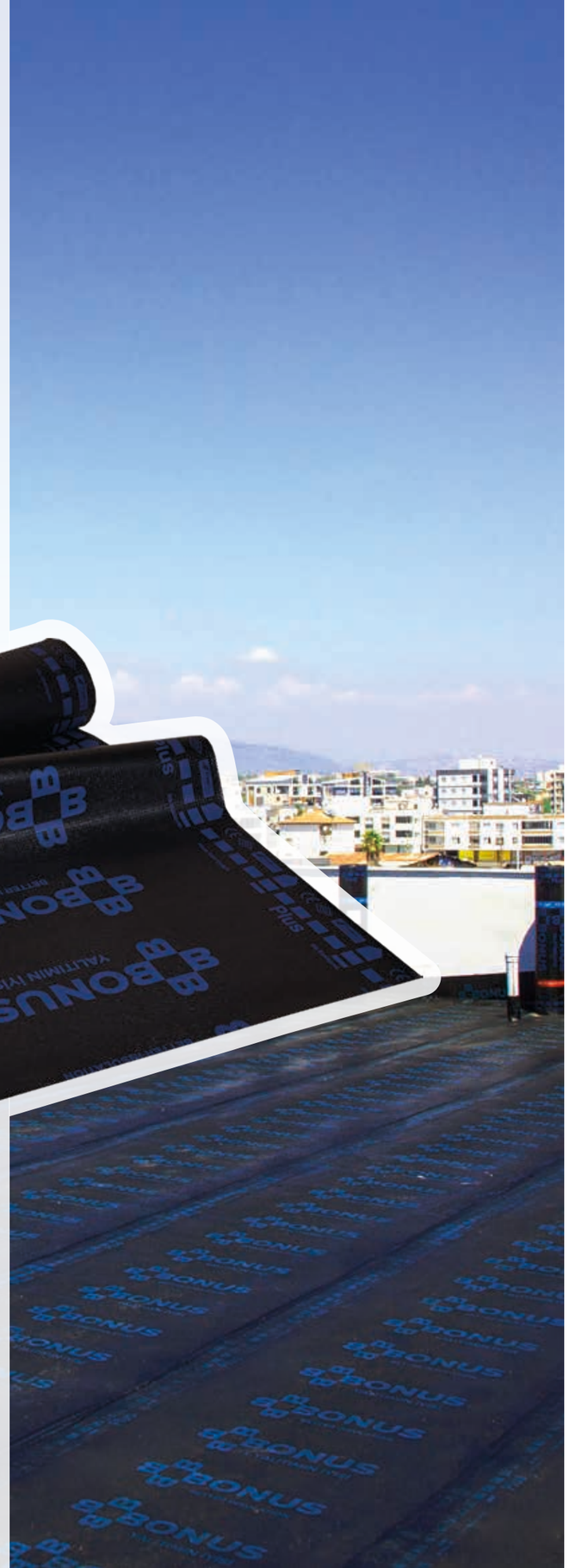
Your Waterproofing Assurance **Bonus Membrane Plus**



Bonus Membrane Plus (-5 °C)

Features

Plastomeric waterproofing membranes produced with APP (Atactic Polypropylene) modified bitumen are manufactured with fiberglass or polyester felt reinforcement. Thanks to their high heat resistance, they do not melt or flow under hot weather conditions or in the climate of our country. In cold weather, they do not carry the risk of cracking or breaking. These membranes offer reliable and long-lasting solutions for all waterproofing applications, especially for terrace and foundation insulation.

Areas of Use

- Foundation
- Basement retaining wall
- Roof – terrace
- Parking area

Technical Specifications

Product Type	Product Code	Thickness (mm)	Carrier Type	Tensile Strength Long. / Trans. (N/5 cm)	Roll Dimensions Width x Length (m)
Plus (-5°C)	PG 200	2,0	Fiberglass	300 / 200	1 x 15
	PG 300	3,0			1 x 10
	PP 300	3,0	Polyester Felt	600 / 400	1 x 10
	PP 400	4,0			

BONUS
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Your Waterproofing Assurance **Bonus Membrane Plus**

Bonus Membrane Plus (-5 °C)

Slate & Patterned Slate Coated

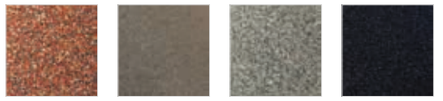
Features

Bonus Membrane Plus is a high-performance waterproofing membrane produced with APP (atactic polypropylene) modified bitumen. With its aesthetic appearance and wide range of color options, it is designed for various applications such as roofs, terraces, and green roofs. It ensures long-lasting waterproofing and protects structures reliably for years.

Areas of Use

- Roof - terrace

Slate Color Options



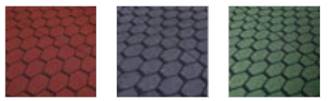
Brown | Dark Brown | Grey | Anthracite Grey

Green | Red | White

Classic Patterned Slate Color Options

Red | Anthracite Grey | Green

Honeycomb Patterned Slate Color Options



Red | Anthracite Grey | Green

Note: Colors are printed and may differ from the actual product colors.

Technical Specifications

Product Type		Product Code	Thickness (mm)	Carrier Type	Tensile Strength Long. / Trans. (N/5 cm)	Roll Dimensions Width x Length (m)
Plus (-5°C)	Plus Slate Coated	PG40 M White	4,0	Fiberglass	300 / 200	1 x 10
		PG40 M Grey				
		PG40 M Brown				
		PG40 M Red				
		PG40 M Dark Brown				
		PG40 M Anthracite Grey				
		PG40 M Green				
		PP40 M White		Polyester	600 / 400	
		PP40 M Grey				
		PP40 M Brown				
		PP40 M Red				
		PP40 M Dark Brown				
		PP40 M Anthracite Grey				
		PP40 M Green				
		PP35 M Red	3,5	Polyester Felt	600 / 400	1 x 10
		PP35 M Dark Brown				
		PP35 M Anthracite Grey				
		PP35 M Green				
	Plus Honeycomb Patterned Slate Coated	PP35 M Red	3,5	Polyester Felt	600 / 400	1 x 10
		PP35 M Anthracite Grey				
		PP35 M Green				
	Plus Classic Patterned Slate Coated	PP35 M Red	3,5	Polyester Felt	600 / 400	1 x 10
		PP35 M Anthracite Grey				
		PP35 M Green				

Your
Waterproofing
Assurance
Bonus Membrane
Platin

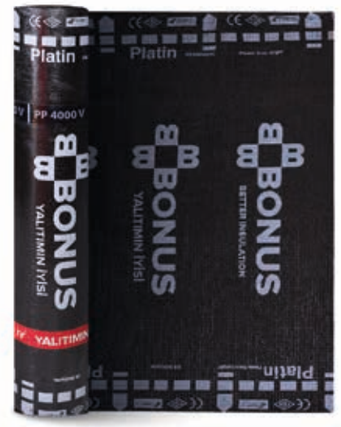
Bonus Membrane Platin (-10 °C)

Features

Plastomeric waterproofing membranes produced with APP (atactic polypropylene) modified bitumen. Thanks to their increased reinforcement weight, Platinum series membranes can withstand higher stresses and deliver strong performance even in continental (temperate-cold conditions) climate zones.

Areas of Use

- Foundation
- Basement retaining wall
- Roof – terrace
- Parking area
- Bridge and viaducts



Brown | Dark Brown | Grey | Anthracite Grey | Green | Red | White | Aluminum

Note: Colors are printed and may differ from the actual product colors.

Technical Specifications

Product Type	Product Code	Thickness (mm)	Carrier Type	Tensile Strength Long. / Trans. (N/5 cm)	Roll Dimensions Width x Length (m)
Platin (-10°C)	PG 200	2,0	Fiberglass	400 / 300	1 x 15
	PG 300	3,0			1 x 10
	PP 300	3,0	Polyester Felt	800 / 600	1 x 10
	PP 400	4,0			
	PG 40 M	3,5	Fiberglass	400 / 300	
	PP 40 M	3,5	Polyester Felt	800 / 600	1 x 10
	PG 300 ALM	3,0	Fiberglass	400 / 300	
	PP 300 ALM	3,0	Polyester Felt	800 / 600	1 x 10

Your
Waterproofing
Assurance

Bonus Membrane Platin Botanic

Bonus Membrane Platin Botanic (-10 ^{0}C)

Features

Bonus Platin Botanic membrane offers long-lasting waterproofing solutions for areas such as green roofs and roof terraces. These specially root-resistant membranes prevent plant roots from damaging structural elements while ensuring effective waterproofing. Additionally, they work in harmony with drainage and water retention layers, supporting both safety and the essential conditions for plant life. Bonus Yalıtım's membrane solutions provide an ideal technical option for roof insulation thanks to their high elasticity, low water vapor permeability, and excellent chemical resistance. These applications extend the building's lifespan, contribute to energy efficiency, and enhance the building's aesthetics and architectural value.

Areas of Use

- Green roof systems
- Terrace and garden roofs
- Landscape areas
- Botanical gardens and greenhouse structures

Technical Specifications

Product Type	Product Code	Thickness (mm)	Carrier Type	Tensile Strength Long. / Trans. (N/5 cm)	Roll Dimensions Width x Length (m)
Platin Botanic (-10°C)	PP 300 Botanic	3,0	Polyester Felt	800 / 600	1 x 10
	PP 400 Botanic	4,0			

Your
Waterproofing
Assurance

Bonus Membrane Platin Viaduct

Bonus Membrane Platin Viaduct (-10 ^{0}C)

Features

Bonus Platin Viaduct, developed by Bonus Yalıtım for viaduct, bridge, and road applications, offers superior solutions in waterproofing and structural durability. In viaducts and bridges, these membrane systems are designed to withstand harsh environmental conditions, preventing water from damaging structural components and reducing the risk of corrosion in concrete and steel elements. In road and highway applications, it prevents water infiltration by blocking moisture from reaching asphalt layers, thereby avoiding deterioration. This enhances the durability of the road surface and ensures long-lasting performance.

Areas of Use

- Viaducts
- Bridges
- Roads and highways
- Tunnels
- Infrastructure projects

Technical Specifications

Product Type	Product Code	Thickness (mm)	Carrier Type	Tensile Strength Long. / Trans. (N/5 cm)	Roll Dimensions Width x Length (m)
Platin Viaduct (-10°C)	PP 4000 V Viaduct	4,0	Polyester Felt	1000 / 800	1 x 10
	PP 4000 V Mineral				

Your
Waterproofing
Assurance

Bonus Membrane Premium

Bonus Membrane Premium (-20 ^{0}C)

Features

SBS (Styrene-Butadiene-Styrene) modified bitumen membranes are elastomeric type waterproofing membranes. Thanks to a special mixture, they can remain flexible even at very low temperatures and maintain the advantages of their bending values throughout the lifespan of the structure. Due to their structure, they offer high elongation and provide ideal insulation for moving and expanding cracks.

Areas of Use

- Foundations
- Basement retaining walls
- Roofs and terraces
- Parking areas

Brown Dark Brown Grey Anthracite Grey

Green Red White

Note: Colors are printed and may differ from the actual product colors.

Technical Specifications

Product Type	Product Code	Thickness (mm)	Carrier Type	Tensile Strength Long. / Trans. (N/5 cm)	Roll Dimensions Width x Length (m)
Premium (-20°C)	EG 200	2,0	Fiberglass	400 / 300	1 x 15
	EG 300	3,0			1 x 10
	EP 300	3,0	Polyester Felt	800 / 600	1 x 10
	EP 400	4,0			
	EG 40 M	3,5	Fiberglass	400 / 300	1 x 10
	EP 40 M	3,5	Polyester Felt	800 / 600	1 x 10

BONUS
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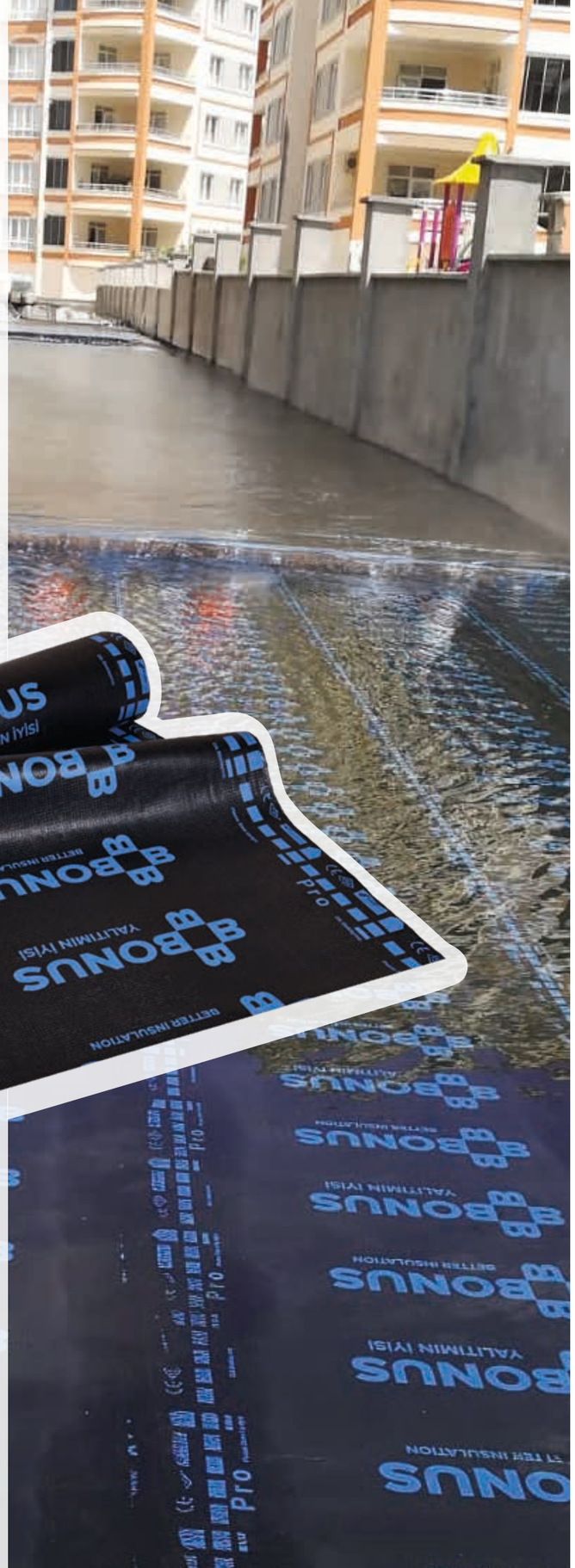
Your
Waterproofing
Assurance
Bonus Membrane Pro



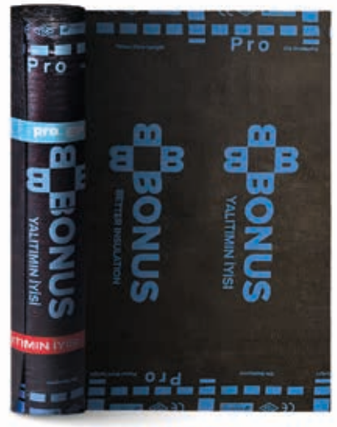
Bonus Membrane Pro

Features

It is a waterproofing membrane produced from APP-modified bitumen, reinforced with fiberglass and polyester felt, available in 3 kg/m² and 4 kg/m² weights.

Areas of Use

- Foundation
- Basement retaining wall
- Roof - terrace
- Parking area



Technical Specifications

Product Type		Product Code	Thickness/Mass Per Unit Area (kg/m²)	Carrier Type	Tensile Strength Long. / Trans. (N/5 cm)	Roll Dimensions Width x Length (m)
Pro	Pro Plus (-5°C)	PG 300	3,0	Fiberglass	300 / 200	1 x 10
		PP 300	3,0	Polyester Felt	500 / 300	
		PP 400	4,0			
	Pro Platin (-10°C)	PG 300	3,0	Fiberglass	300 / 200	1 x 10
		PP 300	3,0	Polyester Felt	500 / 300	
		PP 400	4,0			
	Pro Premium (-20°C)	EG 300	3,0	Fiberglass	300 / 200	1 x 10
		EP 300	3,0	Polyester Felt	500 / 300	
		EP 400	4,0			

BONUS
BETTER INSULATION

Your
Waterproofing
Assurance
Bitumen
Membrane

Bitumen Membrane (-10 °C)

Features

It is a waterproofing membrane made of APP-modified bitumen, reinforced with fiberglass and polyester felt, and resistant down to -10°C.

Areas of Use

- Foundation
- Basement retaining wall
- Roof - terrace
- Parking area

Green

Red

Note: Colors are printed and may differ from the actual product colors.

Technical Specifications

Product Type		Product Code	Thickness / Mass Per Unit Area (kg & mm)	Carrier Type	Tensile Strength Long. / Trans. (N/5 cm)	Roll Dimensions Width x Length (m)
Bitümen	Bitumen Membrane	P 3000	3,0 kg	Fiberglass	300 / 200	1 x 10
		PP 3000	3,0 kg	Polyester Felt	500 / 300	1 x 10
		PP 3000 Extra	3,0 mm		800 / 600	
	Bitumen Slate Coated	PP 40M Red	4,0 mm	Polyester Felt	600 / 400	1 x 10
		PP 40M Green			600 / 400	

Bonus Membrane
Application Detail Information

Bonus Membrane should be stored upright in dry environments away from direct sunlight; application must be carried out in dry weather conditions and at air temperatures above +5°C. For materials to be used in cold weather, they should be kept at room temperature at least 24 hours prior to application to ensure easier and more effective workmanship.

For waterproofing on flat roofs or those with up to a 5% slope, it is recommended to use two layers of Bonus Membrane. Using fiberglass-reinforced membranes on the bottom layer and polyester-reinforced membranes on the top layer increases the durability of the application. When selecting the membrane type and thickness, the purpose of the structure and the climatic conditions of the region should be taken into account.

Before application, the surface must be clean and dry. To ensure strong adhesion, a single coat of Bonus Membrane primer diluted with water should be applied to the surface. This application, carried out at an average of 400 g/m², dries within 4–8 hours depending on weather conditions. One tin of primer is sufficient for approximately 50 m² of surface.

In the full-bonding system, the top membrane is bonded by torching with a flame (sholame) across all surfaces in contact with the substrate or the lower membrane. Rolls should be overlapped by 10 cm both longitudinally and transversely. In mineral-coated membranes, granules at the overlap areas should be heated and fused firmly. For long-lasting application, rolls should be laid perpendicular to the water flow direction, ensuring that overlap joints do not align with each other.

With correct application, Bonus Membrane provides your structure with a durable, safe, and long-lasting waterproofing solution.

NOTE

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