
ESCO®

TEKNIK

BUILDING AND INSULATION PRODUCTS

Esco Teknik was established in 2015, the year it was founded, to deliver insulation and detail products of the construction sector to implementers and dealers in the fastest and most economical way. With its production and storage facilities in the Kocaeli Gebze region, it has supplied products to many giant projects in the construction sector with nearly 800 dealers and implementers throughout Turkey in the last 10 years and still continues its shipments. At the same time, it continues its investments in terms of production capacity, machinery and equipment without slowing down. It exports to 25 countries worldwide and supports the Turkish economy with more than 40 dealers and implementers.



About Us

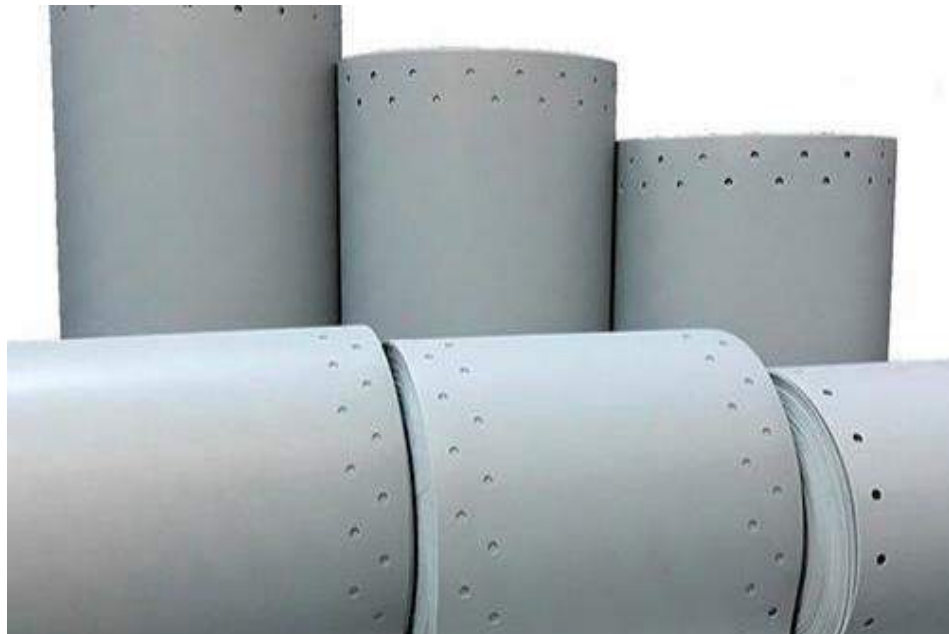
Competitive prices, 10 years of experience, Fast shipping, All detail products, Innovative products, High production capacity, Wide dealer network



OUR VALUES

- ★ We Create Trust
- ★ We Act Fairly
- ★ We Approach Sincerely
- ★ We Work with Passion
- ★ We Take Responsibility
- ★ We Are Curious





DILATATION TAPES



**WATERPROOFING
TAPES**

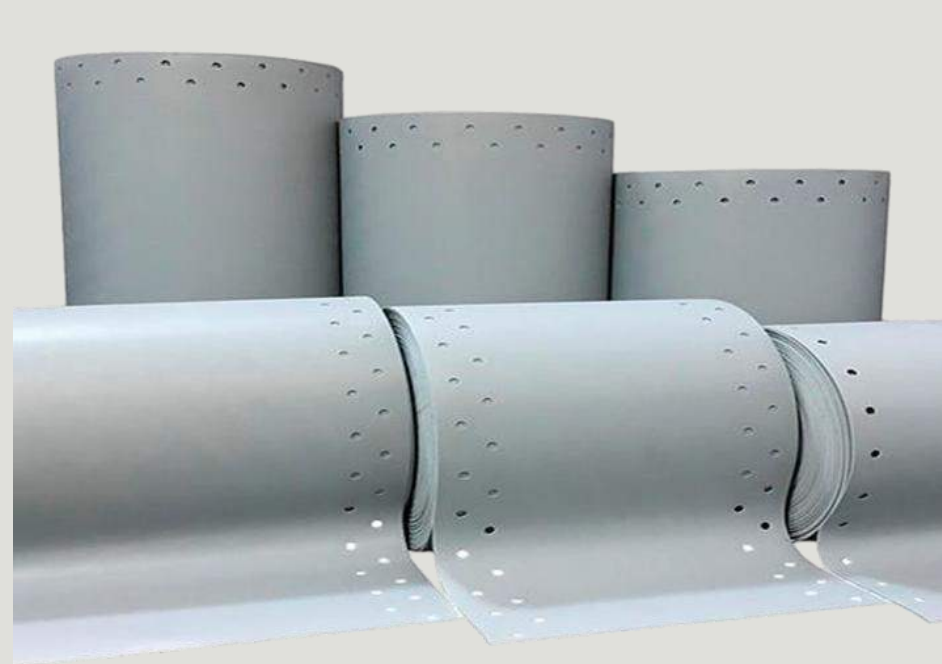
**ESCO
TEKNIK**

WATERPROOFING TAPES

TPE Dilatation Tape

•Product Overview

It is a thermoplastic elastomer based expansion tape used for closing and insulating wall and floor joints and all kinds of construction and expansion joints.



Areas of Use

- In underground applications
- In foundations, curtains
- In tunnel segments
- In dilatation joints
- In cold joints formed in floors and curtains
- In terraces, roof joints
- In pools

WATERPROOFING TAPES

Felt Carrier Expansion Joint Tape

•Product Overview

It is a dilatation tape that is transversely flexible, longitudinally rigid, coated with polyester (PES) felt on both sides, resistant to tears in the middle area and made of flexible thermoplastic elastomeric (TPE) material, suitable for adhesion with bitumen and epoxy.

Areas of Use

- Since it is resistant to plant roots, it is used in underground applications,
- Waterproofing of horizontal and vertical dilatations,
- Isolation of wide and irregular cracks,
- Elastic water insulation of base-parapet connections,
- Joints of different building materials such as steel construction and reinforced concrete,
- Swimming pools and waste water units,
- Tunnels and similar underground structures.



WATERPROOFING TAPES

EPDM Expansion Joint Tape

Product Overview

It is a black, UV-resistant, highly elastic expansion joint tape that is resistant to salt and chemicals found in soil and water, resistant to atmospheric conditions, produced in accordance with DIN 7864 standard, and used in the insulation of thermal expansion joints and cracks.

Areas of Use

- In all building dilatations
- In expansion joints of areas under the ground
- In water structures
- In joints of different building materials such as steel construction and reinforced concrete
- In the insulation of wide and irregular cracks
- In structures such as tunnels etc.
- In cold joints
- In terraces, balconies and wet areas



CHAMFER AND REPAIR TAPES

Mesh Reinforced Chamfer Tape

•Product Overview

It is a thermoplastic elastomer based, polyester mesh carrier waterproofing tape used in the insulation of wall and floor joints and structural joints.

Areas of Use

It is used in compensating and isolating the movements in cold joints and dynamic cracks formed in

- Wet areas,
- Pools,
- Water tanks,
- Purification facilities,
- Balconies,
- Parapets,
- Terraces,
- Roof ends,
- Floors and curtains,
- with its elastic structure.



CHAMFERING AND REPAIR TAPE

Textile Chamfer Felt (Geo-Es 45 chamfer tape)

•Product Overview

Geo-Es 45 Non-Woven Geotextile is a non-woven textile product produced by needle punching and heat treating pure polypropylene or polyester based fibers that are much thinner than a millimeter. It is a high strength polyester non-woven tape reinforcement felt suitable for use with liquid waterproofing products.



Areas of Use

It is used especially in the creation of chamfer turns, the repair of cracks, the creation of connections to water drains - ventilation chimneys and metal constructions. Geo-Es 45 liquid cures by absorbing water insulation products into its structure and forms a high strength, tear-proof and crack-bridging layer.

POLYETHYLENE WICKS

•Product Overview

It is used as a filling material under mastic in joints and dilatations, and as a filling and caulking material in the areas where structures meet doors and windows. A joint filler rod with a diameter 30% larger than the joint width is selected. It is compressed into the joint and mastic and similar chemicals are applied on it.



Areas of Use

It is used as a filler in the isolation of joints and dilatations, in the support of chemicals, and as a filling material in the joints of doors and windows with the wall in the structure.

BUTYL TAPES

Fused Butyl Tape

•Product Overview

Single Side Self-Adhesive Butyl Based Tape is a butyl-based, self-adhesive joint insulation tape, split in the middle, with a non-woven felt cover on the top, used in structural cold joints and corner insulation on wet floors.



Areas of Use

It is used on many different surfaces such as;
concrete, ceramic, plastic, glass, metal, wood, bitumen,
polycarbonate, plasterboards,
wet areas,
interior tiles, ceramics, plate coverings, Floor-wall joints.

BUTYL TAPES

Double Sided Butyl Tape

•Product Overview

Butyl rubber based, double sided adhesive butyl tape that can adhere perfectly to many surfaces for details requiring high adhesion and insulation.



Areas of Use

In the construction sector, it is used for sealing and insulation purposes. In ventilation ducts, it is used for air sealing purposes. In the automotive and white goods sector, it is used as a sound absorber and vibration absorber. It is used for water sealing purposes in modular metal water tanks. It is used in the joints and ends of curtain wall panels.

BUTYL TAPES

ALUMINUM FOIL COATED BUTYL TAPE

•Product Overview

It is a butyl rubber based, one side coated with aluminum foil and the other side adhesive, high adhesion and UV resistant butyl tape that can adhere perfectly to many surfaces.



Areas of Use

In the construction sector, it is used for sealing and insulation purposes, especially in chimney bases and roof joints - For air sealing in ventilation ducts - In the automotive and white goods sector, it is used as a sound absorber and vibration absorber. - It is used for water sealing in modular metal water tanks. - It is used in the joints and ends of curtain wall panels.

BITUMEN TAPES

Felt Reinforced Bitumen Tape

•Product Overview

Tek Single Side Self Adhesive Bitumen Based.



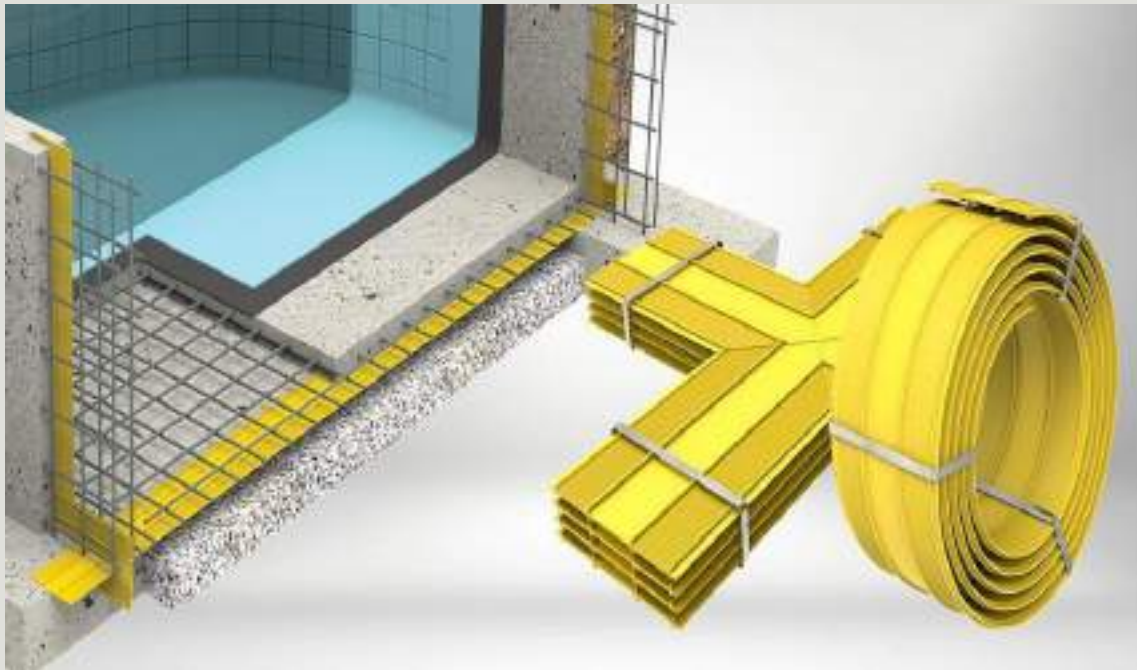
Areas of Use

This product, which is black bitumen based and felt based, like a chimney tape, is used for repair purposes on roofs or containers, but unlike a chimney tape, it can be applied with a coating of insulation.

PVC WATERPROOFING TAPE

•Product Overview

Waterstop tapes are flexible waterstops based on modified PVC produced in special sections that ensure the sealing of construction and expansion joints when concrete is poured. They are supplied in different sizes and types depending on the areas of use.

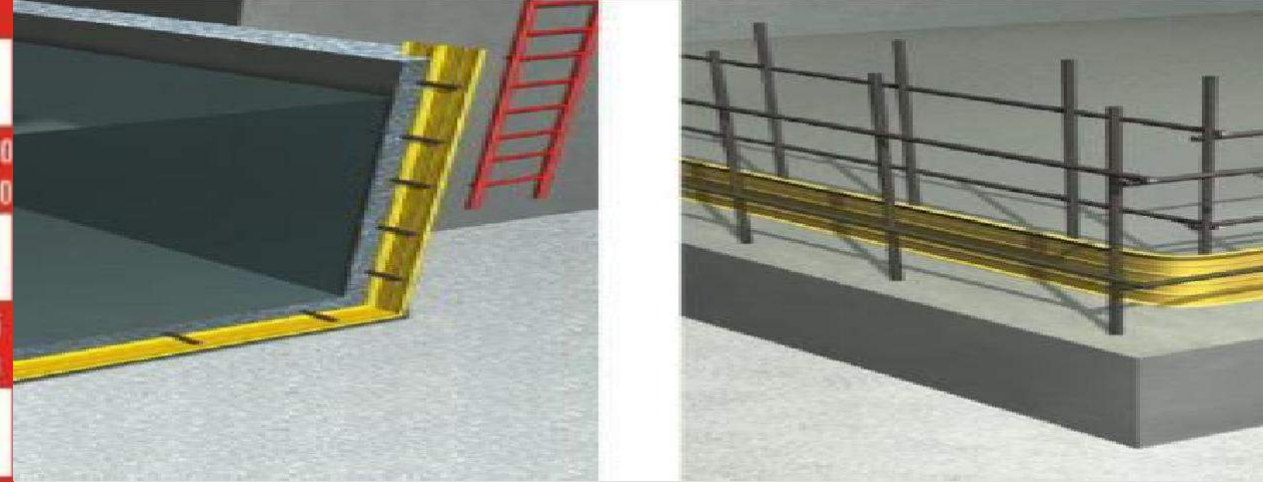


Areas of Use

- Dams
- Ponds
- Irrigation channels
- Water tanks
- Water treatment plants
- Swimming pools
- Piers
- Bridges
- Purification plants

PVC WATERPROOFING TAPE TYPES

Tip	Bant Şekli / Band Shapes	Ölçüleri / Dimensions
A		Genişlik (cm) 15 15 15 15 15 20 20 22 23 25 25 25 25 30 30 30 30 Kanat Kalınlığı (mm) 4 5 6 7 10 5 7 10 7 10 5 6 8 10 6 7 9
B		Genişlik (cm) 15 15 15 15 15 20 20 22 23 23 25 25 25 25 30 30 30 30 Kanat Kalınlığı (mm) 5 7 8 10 5 6 7 8 10 10 5 6 8 10 6 7 8 10
I		Genişlik (cm) 15 15 15 20 20 20 20 25 25 25 25 30 30 30 30 30 30 32 Kanat Kalınlığı (mm) 3 4 5 4 5 6 8 4 5 6 8 4 5 6 7 8 6
OL		Genişlik (cm) 20 20 20 25 25 25 25 30 30 30 30 32 32 32 35 35 35 Kanat Kalınlığı (mm) 5 6 10 5 6 7 8 7 8 9 10 5 8 10 8 9 10
M		Genişlik (cm) 20 20 20 20 25 25 25 25 25 30 30 30 Kanat Kalınlığı (mm) 4 5 6 8 4 5 6 8 10 5 6 7
DO		Genişlik (cm) 20 20 20 20 20 25 25 25 25 35 Kanat Kalınlığı (mm) 4 5 6 8 8 4 5 6 8 6
DT		Genişlik (cm) 20 20 20 20 25 25 25 25 Kanat Kalınlığı (mm) 4 5 6 8 4 5 6 8
DI		Genişlik (cm) 20 20 20 20 25 25 25 Kanat Kalınlığı (mm) 4 5 6 8 4 5 6
O		Genişlik (cm) 15 15 15 20 20 20 22 22 22 26 26 26 30 30 32 32 32 Kanat Kalınlığı (mm) 3 4 5 3 4 5 4 5 6 4 5 6 4 5 6 5 6
V		Genişlik (cm) 15 15 15 20 20 20 20 20 25 Kanat Kalınlığı (mm) 3 4 5 4 5 6 7 8 4
AK		Genişlik (cm) 20 20 20 24 24 24 24 Kanat Kalınlığı (mm) 3 4 5 3 4 5 6



WATER SWELL BANDS

AK SWELL Acrylic Water Swellable Bands

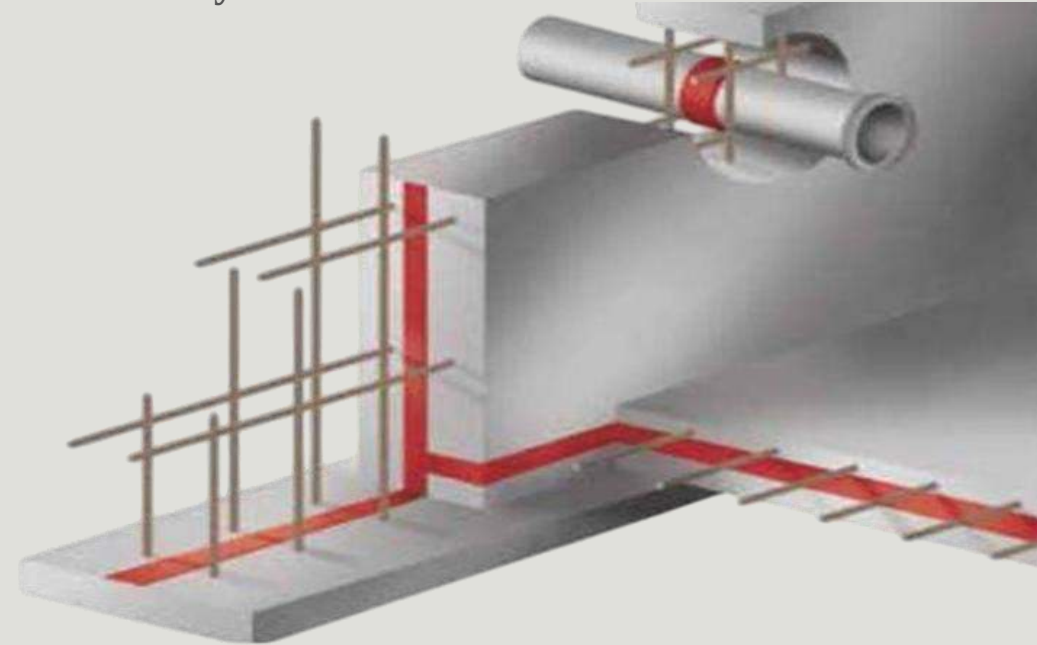
•Product Overview

It is a water-retaining joint tape formulated with acrylic and various chemicals that swells by 300% with water. It swells in contact with water and makes concrete joints waterproof.

Areas of Use

- Pools, Water Tanks,
- Foundations,
- Curtain concretes,
- Tunnels, subways,
- Retaining walls,
- Garages,
- Old/New concrete joints,
- Sewerage and water treatment plants,
- Underground pipe and cable crossings,
- Dams,
- Highways, etc.

It is used in all kinds of engineering structures.



WATER SWELL BANDS

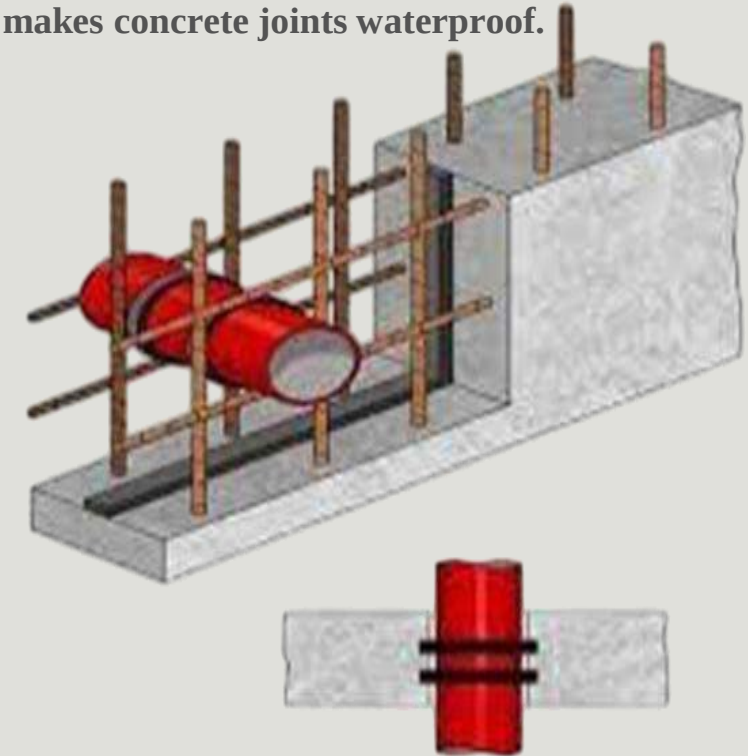
AK SWELL Acrylic Water Swellable Bands

•Product Overview

It is a sodium bentonite and butyl rubber based water retaining joint tape. It swells in contact with water and makes concrete joints waterproof.

Areas of Use

- Pools,
- Water tanks,
- Foundations,
- Curtain concretes,
- Tunnels,
- Subways,
- Retaining walls,
- Garages,
- Old/New concrete joints,
- Sewerage and water treatment plants,
- Underground pipe and cable crossings,
- It is used in all kinds of engineering structures such as dams and highways.



PLASTERBOARD JOINT TAPES

Product Overview

It is a self-adhesive mesh joint tape used in the joints of plasterboard types.



Areas of Use

- At the joints of plasterboard sheets,
- In repair processes,
- It is used on partially damaged plasterboards.

POLYESTER BLENDED FELTS

150 - 250 - 300 - 400 - 500 gr geotextile fleece insulation protection felts

•Product Overview

It is a dark colored, non-woven textile product produced by needling and heat treating pure polyester-based fibers that are much thinner than a millimeter.

Areas of Use

Filtration Purpose: In engineering applications, when coarse and fine materials are used together, it is used as a filter material in between to prevent the fine material from clogging the pores of the other material or to prevent washing.

Separation Purpose:

It is used under the foundation of structures planned to be built on weak grounds, prevents the foundation of the structure from hitting the ground, provides ground stabilization and reduces the risk of unexpected differential settlements.

Protection Purpose: Due to its high puncture resistance; it is used on thermal insulation boards in terrace roof applications, protects the materials below from impacts, allows materials to work differently and prevents cement grout from flowing down.



WHITE INSULATION GEOTEXTILE PROTECTION FELT

150 - 250 - 400 -500 gr

•Product Overview

- Since it is made of synthetic fibers, it provides maximum resistance against decay.
- It is resistant to damage that may occur during application.
- It can be used as a separation material between different surfaces.
- It provides excellent permeability thanks to its filtration feature.
- It is resistant to decay, bacteria, acids, alkalis and moisture thanks to its synthetic structure.
- It is not affected by sea water, mold and rust.
- It provides protection of thermal insulation materials.
- It is easy to apply. It does not cause any harm to human health during and after application.

Areas of Use

- As a layer that spreads building pressure in foundations,
- In transportation (highways, airports and railways) to prevent collapses and deterioration,
- In drainage, to prevent blockages by wrapping around pipes. (Does not allow soil, clay etc. substances to pass into the drainage pipe.)



HIGH STRENGTH POLYPROPYLENE FELTS

100 - 200 - 300 - 500 gr geotextile polypropylene insulation protection felt

•Product Overview

It is a non-woven textile product produced by needle punching and heat treating pure polypropylene fibers.

Areas of Use

- Ponds
- Dams
- Tunnels
- Highways
- Metro Constructions





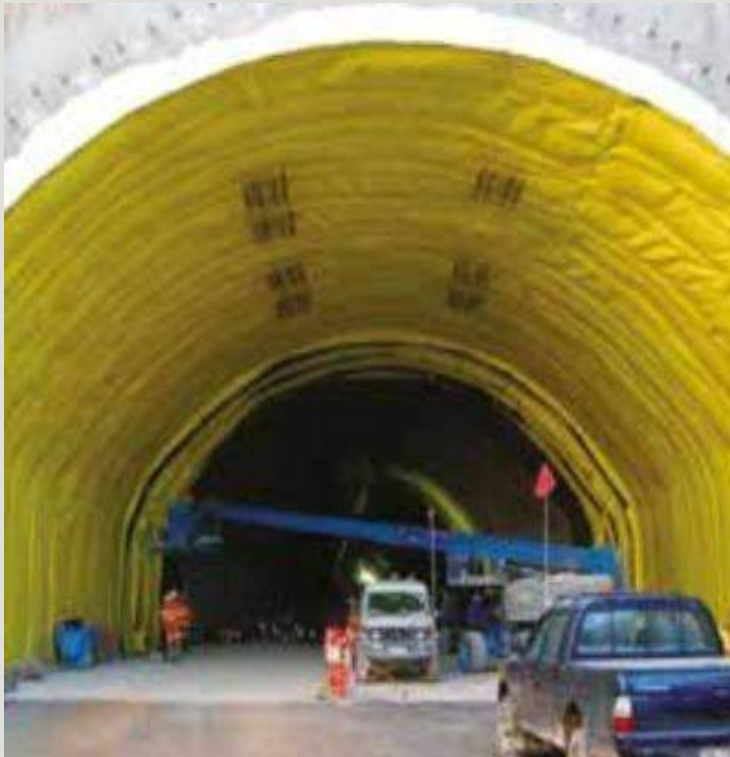
WATERPROOFING AND DETAIL PRODUCTS

PVC MEMBRANE

PVC BASED SIGNAL LAYERED WATERPROOFING COVER

•Product Overview

The main raw material of ESCO PVC Geomembranes is Polyvinyl Chloride (PVC). PVC raw material is produced with plasticizers that do not contain lead or heavy metals and are harmless to human health and nature, with extrusion, molding and calendering units at appropriate temperatures.



Areas of Use

- In highway tunnel constructions,
- In subway projects tunnel and station structures,
- In foundation, curtain and terrace structures of residences,
- In roofs, business centers foundation, curtain, terraces, base in bridge junctions,
- In curtain and overpasses, underground parking lot constructions, irrigation pools,
- In landscape pools and water tanks (special production antibacterial)



WASHER

•Product Overview

It is a fixing gasket used in PVC membrane applications.



MEMBRANTIBACTERIAL PVC MEMBRANE (BLUE)

•Product Overview

It is a plasticized polyvinylchloride (PVC) based, unreinforced, blue colored, 1.5 and 2 mm thick, 2.1x25 m dimension water insulation membrane developed for drinking water tanks. It is applied by welding with free laying and automatic air welding machines. It does not change the color and quality of the water, it is resistant to chemicals in drinking and utility water. It is suitable for use in cold weather due to its elasticity. It is not resistant to environments containing oil and solvent. It should not come into direct contact with XPS and EPS polystyrene sheets, polyurethane rigid foams and non-PVC plastics.



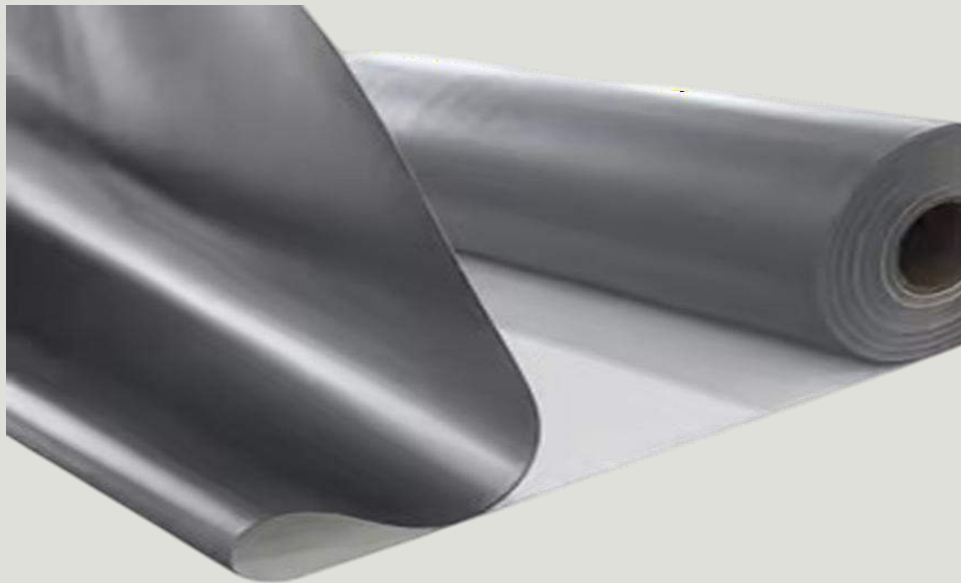
Areas of Use

- Ponds,
- Channels,
- Water collection basins, and
- Waterproofing in tunnelsGölet, Kanal,
- Su Toplama Havzaları Tünel Su Yalıtımı

PVC MEMBRAN UV - GRAY

•Product Overview

- UV Resistant PVC Geomembrane
- Made of PVC. It is called Pond Type because it is produced as UV resistant.
- It has general PVC Geomembrane features. It can last for years under sunlight thanks to its UV additive. They can be easily used without being covered in applications.



Areas of Use

- Roof insulation
- Terrace insulation
- Pool insulation
- Water treatment plant insulation
- Irrigation channel insulation
- Waste water tunnel insulation
- Concrete surface insulation

PVC REINFORCED MEMBRANE

•Product Overview

It is a polyester reinforcement reinforced PVC membrane used on exposed roof surfaces. It is mechanically fixed or applied to a vacuum roof system by the laying method. It is laid loosely on a



Areas of Use

- Tunnel insulation
- Erosion control
- Geogrid reinforced retaining walls
- Foundation and ground waterproofing
- Ground reinforcement and stabilization.
- Green roof application
- Waste storage area insulation
- Pool and pond insulation

EPDM MEMBRANES

•Product Overview

- EPDM MEMBRANE cover is resistant to plant roots, salt found in soil and water, and many chemicals. EPDM membrane,
- suitable for different climate conditions, does not lose its flexibility even in very cold weather conditions such as -40 °C, and has the ability to extend more than 300%.

Areas of Use

- Biological water treatment
- Hazardous waste storage
- Spill and secondary containment
- Radon and lead protection
- Terraces, green gardens on terraces
- Zoological Parks
- Artificial snow pools
- Roof coverings
- Curtain facades
- Biological water treatment
- Hazardous waste storage
- Spill and secondary containment
- Landfills
- Terraces, green gardens on terraces
- Process water tanks
- Sludge and ash waste storage



HDPE MEMBRANES

•Product Overview

HDPE Membrane is a geomembrane material manufactured from high density polyethylene that provides impermeability in projects such as regular solid waste storage areas, mine waste storage areas, acid pools, tank fields, ponds and irrigation channels.



Areas of Use

- Regular solid waste storage areas
- Mine waste storage areas
- Acid pools
- Tank fields
- Waste water treatment plants.
- Irrigation channels
- Pond projects.



ESCO INSUTECH BITUMEN PROOF MEMBRANE

•Product Overview

Bitumen proof membranes are elastomeric modified bitumen membranes used for various waterproofing applications in 3.5 mm, 4 mm and 4.5 mm. They are produced in a high-tech calendering process that involves impregnation and coating with a bitumen compound modified with Styrene-Butadiene-Styrene (SBS) elastomer. SBS modifiers are used to improve the thermal, chemical and aging properties of the bitumen compound. In addition, mechanical properties such as tensile strength, elongation and tear resistance are increased with a non-woven polyester carrier that acts as reinforcement to the product.



Areas of Use

- Single or multi-layer systems,
- Roof or re-roof coverings,
- Pitched and flat roofs,
- Tunnels, wet areas,
- Filling basins,
- Toilets,
- Foundations,
- Underground structures,
- Pitched slabs.

WATERPROOFING AND DETAIL PRODUCTS

AQUA MAX TEXTILE MEMBRANE

•Product Overview

AQUA MAX is a 3-layer wet volume membrane consisting of two Non-Woven thermoplastic layers, with a special layer that is 100% waterproof.

Areas of Use

It is used in bathrooms, toilets, wet areas, all risky areas inside buildings, under ceramics, in structures that are constantly exposed to water such as open terraces, pools, water tanks, and in areas such as under-foundation curtain concrete joints.



BENTONITE CLAY COVERS

•Product Overview

Geosynthetic Clay Cover is applied on compacted soil or gravel layer with a minimum thickness of 10 cm, and under concrete or reinforced concrete layer with a minimum thickness of 30 cm of soil or gravel. It should be applied on flat, gapless and dry surfaces. It is applied on flat areas by rolling on the surface or by overlapping the joints by at least 30 cm with the help of a work machine. Roll joints are laid with a minimum offset of 30 cm. It should be mechanically fixed on vertical surfaces.



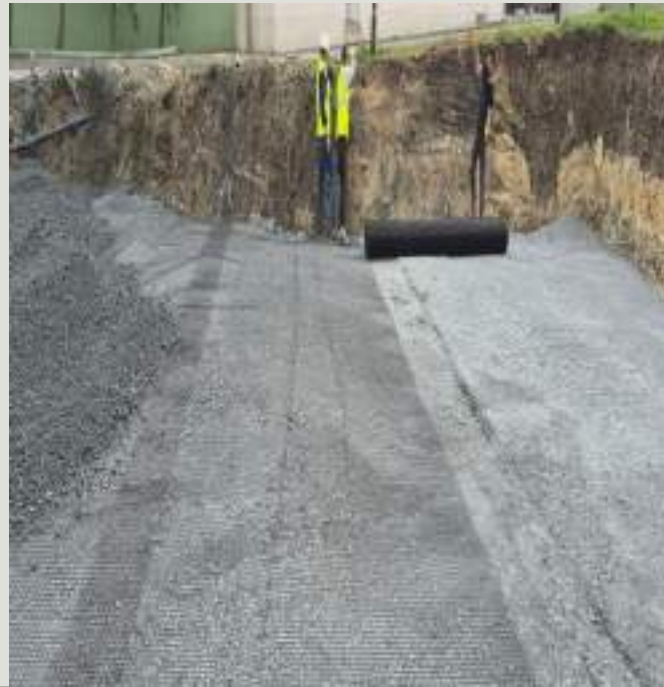
Areas of Use

- Solid waste storage areas
- Mine waste storage areas
- Irrigation, fire and golf courses
- Ponds
- Irrigation channels
- Water reservoirs
- Building basement insulation projects

GEOGRID

•Product Overview

They are high strength materials developed for bidirectional geogrid needs in various applications of civil engineering. They are produced by knitting polyester micro threads in rectangular shapes and coating them with polymer. They provide high performance thanks to a specially designed sewing method to be more robust at the knot points.



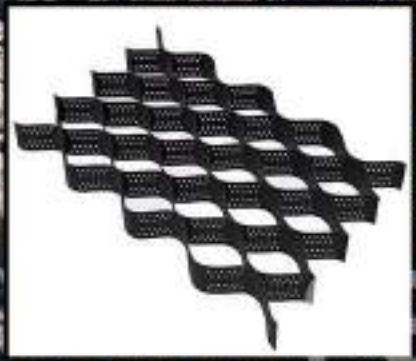
Areas of Use

- Geogrid reinforced retaining walls
- Soil reinforcement and stabilization
- Waste storage area insulation
- Tunnel insulation
- Foundation and ground waterproofing
- Pool and pond insulation
- Green roof application
- Erosion control

GEOCELL

•Product Overview

- Geopack Geocell cellular filling systems are geosynthetic erosion control products produced from high density polyethylene. Their porous structure and design allow the use of different types of filling materials.



Areas of Use

- As a carrier platform on highways and railways,
- Increasing ground carrying capacity,
- In irrigation channels,
- In stabilizing sloped surfaces,
- In retaining wall construction,
- In erosion control and sloped surfaces

ESCO MESH 46/56 GR WATERPROOFING NET

•Product Overview

It is a waterproofing mesh with high alkali resistance, woven from glass yarn, providing resistance against capillary crack formation and used for reinforcement purposes in waterproofing systems that are required to withstand higher water pressure.

Areas of Use

- -Indoors and outdoors
- -On horizontal and vertical surfaces,
- -In all coating-based waterproofing applications requiring alkali resistance,
- -In areas where high water pressure is required such as water tanks and pools,
- -In balconies and terraces, it is used for reinforcement between layers of coating-based waterproofing materials to provide resistance against cracking,
- -It is used for reinforcement in places exposed to movement, vibration and slight settlement such as foundation insulation, retaining walls and basement insulation.



ESCO MESH 75 GR WATERPROOFING NET

•Product Overview

- They are recommended as reinforcement mesh in coating-based waterproofing applications.
- They are suitable for use with all kinds of waterproofing materials.
- They are thin and soft enough to be easily covered with less material, especially when a thin layer is desired with cement-based coating-based waterproofing applications, and they are a high mechanical strength mesh.
- Its unit weight is 75 g/m² and it is a mesh with high and real alkali resistance.

Areas of Use

- Horizontal and vertical surfaces, Indoor and outdoor spaces,
- In plaster and stucco manufacturing,
- In all coating-based waterproofing applications requiring alkali resistance,
- It is used for reinforcement purposes between layers of coating-based waterproofing materials in balconies and terraces to provide resistance against cracking.



110 Gr / m² NON-FINISHED REINFORCEMENT NET

•Product Overview

It is an insulation reinforcement mesh without resin coating that is used as reinforcement in non-cement based coating-based water insulation applications and epoxy floor coatings.



Areas of Use

- On horizontal and vertical surfaces,
- Indoor and outdoor areas,
- In non-cement based waterproofing applications,
- In epoxy floor coating applications.

PANZER NET

•Product Overview

It is an alkali-resistant glass fiber woven plaster reinforcement mesh developed for use on surfaces requiring higher strength, such as ground floors and parking lots.



Areas of Use

- In highway and tunnel constructions,
- Metro projects, tunnel and station structures,
- Foundation, curtain and terrace structures of residences,
- Curtain and overpasses,
- Underground parking lot constructions, Irrigation pools,
- Landscape pools and water tanks.

160 GR ORANGE NET

•Product Overview

In exterior and interior thermal insulation sheathing systems, 160 gram plaster mesh is used as a carrier reinforcement in interior facade, rough plaster and gypsum plaster applications, floor screed plaster applications, in exterior facade putty and repair applications, and as an intermediate layer carrier in bituminous spreading products.



Areas of Use

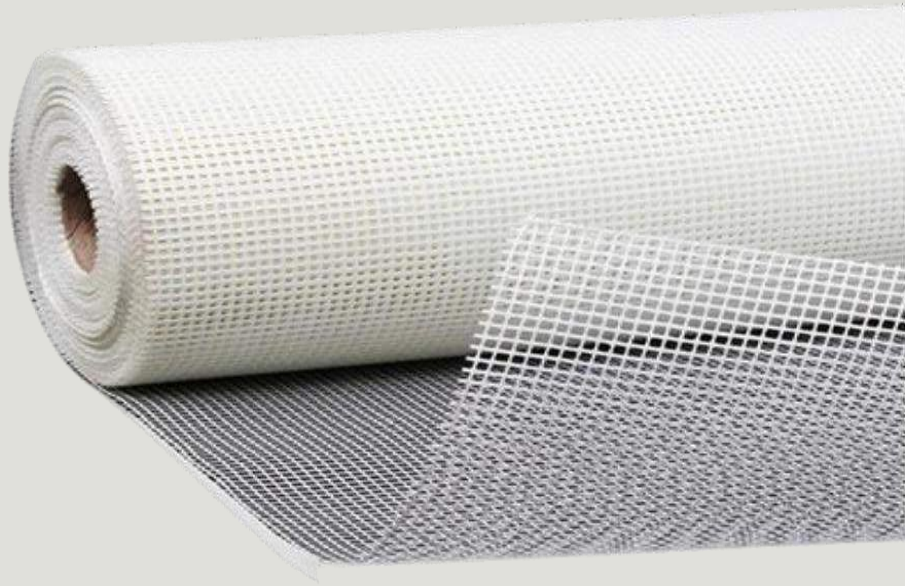
It is used in

- facades,
- rough plaster and gypsum plaster applications,
- floor screed plaster applications,
- bearing reinforcement, exterior putty and repair applications, and
- as an intermediate layer carrier in bituminous spreading products.

160 GR WHITE FELT

•Product Overview

White Plaster mesh is a carrier reinforcement material obtained by turning high alkaline glass fiber into yarn, then weaving it, coating it with adhesive resin and coloring it.



Areas of Use

It is used in plastering works in interior and exterior areas. It is preferred as a crack preventer and reinforcer in wall and ceiling applications.

DRAINAGE BOARDS

ES-DRAIN 400-500-600 GR/M2

•Product Overview

It is a drainage and underground insulation protection board with a bubble structure, made of high density polyethylene, with high compression strength, resistant to plant roots and chemicals.



Areas of Use

It provides protection of water insulation and heat insulation layers applied on curtain surfaces during filling. It is used as a moisture barrier under concrete or screed against capillary moisture that may come from the soil. It is laid on the soil to obtain a clean surface as an alternative to lean concrete under the foundation. It helps to protect the structure against moisture and pressurized water vertically and horizontally. And it drains the water approaching the structure quickly. It is used as a leakage layer in two-shell applications such as deep foundations. It ensures that the dense water coming from the soil in tunnels is transmitted to the drainage channels.

PRESSURE BAR

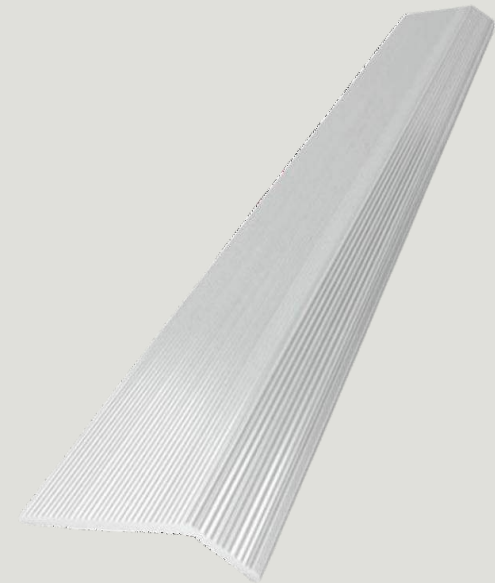
•Product Overview

It is a single-eared product made of aluminum, which is used to fix the drainage board and bituminous membranes downwards like a curtain at the beginning and end of curtain insulations; and also to prevent water from seeping through the wall and passing between the wall and the membrane at the beginning and end of bituminous membranes.



Areas of Use

- Fixing drainage boards,
- On chimney edges,
- In material joints,





ROOF AND FACADE COVERINGS (MOISTURE BARRIERS)

MOISTURE BARRIER

What is a Moisture Barrier?

It consists of four classes. Moisture barriers, vapor barriers, vapor balancers are technological insulation covers used to prevent unwanted water passage on roofs and facades and to prevent moisture formation in the building.

Areas of Use

- Pitched roofs
- Metal Roofs
- Steel Roofs
- Standing Seam Roofs
- Roofs with OSB
- Clad Exterior Facade Structures
- Wooden Panel Roofs Note: Used wherever you want to prevent humidity and moisture
- Interior Coatings (Between Plasterboard and Wall)

Features

- It is effective against climatic condensation, water vapor caused by sudden temperature differences, humidity and moisture.
- It is light and easy to apply.
- It transfers the moisture inside the structure to the outside thanks to its breathability feature. It prevents the formation of mold and fungus.
- It protects the outer surface of heat insulation products from water and the corrosive effects of wind. It increases the efficiency of cold and hot air inside the structure with its wind-blocking feature.

ESCO NEMAX 70g (Moisture Barrier)

•Product Overview

It is a 2-layer roof product with high vapor permeability, high water and UV resistance, easy to carry and apply. It is suitable for use directly on rafters in sloping roofs and facade applications.

Areas of Use

- Building basement and floor insulation
- Wall insulation
- Industrial and commercial buildings



NEMAX 90 GR VAPOR BALANCE COVER (MOISTURE BARRIER)

• Product Overview

It is a 3-layer roof and facade cover produced by bonding a microporous film layer between two polypropylene non-woven textile layers, with high vapor permeability, high water and UV resistance, and easy to carry and apply.

Areas of Use

It is used in

- Horizontal and vertical surfaces,
- Indoor and outdoor spaces,
- Sloping, metal, wooden, reinforced concrete roofs,
- Building exteriors



ESCO NEMAX ALUMINUM FOIL STEAM BLOCK COVERS 90gr-180gr

•Product Overview

It is a three-layer vapor barrier cover that reflects heat energy and provides additional insulation. It consists of polyethylene foil, polypropylene carrier mesh and aluminized polyethylene layers. The overlapping margin is self-adhesive Esco Moisture Barrier

joint is bonded with adhesive tape. Esco Nemax Reflective Vapor Barrier covers are three-layer vapor barrier covers that reflect heat energy and provide additional insulation.

Technical Features

- Water vapor impermeable.
- It creates an insulation wall against water, moisture and wind. It is designed for living environments in attics.
- Flexible and easy to apply.
- Prevents heat loss caused by free air circulation. It is very resistant to tearing thanks to the carrier layer in the middle. High strength and long-term use with a single application



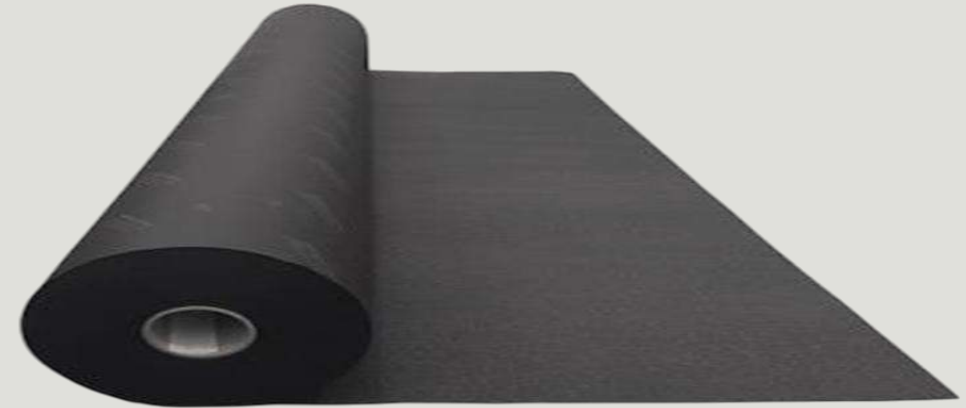
ESCO NEMAX FR100 GR /M2 Fire Retardant Moisture Barrier)

•Product Overview

It is a 3-layer roof and facade cover produced by bonding a microporous film layer between two polypropylene non-woven textile layers, is A2 class fire retardant, has high vapor permeability, is water and UV resistant, and is easy to carry and apply.

Areas of Use

- On horizontal and vertical surfaces,
- Indoor and outdoor spaces,
- On sloped, metal, wooden, reinforced and concrete roofs,
- On building exteriors.



NEMAX TAPE 5 (MOISTURE BARRIER TAPE)

High Adhesive Strength 5 cm x 50 mt joint tape

Product Overview

Acrylic Tape is made of HDPE and acrylic adhesive for long-lasting, durable adhesion. Recommended for use with breathable water cover and air, vapor control layer. It is a single-sided acrylic tape used to seal pipes, windows or joints, as well as for repairs or improvements, especially damaged.

Areas of Use

Moisture barrier overlaps,
Pipes, Windows,
Sloping, metal, wood, reinforced concrete roofs,
Joint details.





**ROOF REPAIR TAPES
AND
DRAIN SYSTEMS**

ROOF REPAIR TAPES & CHIMNEY BOTTOM TAPES

•Product Overview

- ➔ It is a self-adhesive insulation tape that can be produced in any desired width, 10 meters long and used to waterproof chimney twill, gutter interiors, joints and junctions, with very high adhesion properties and generally close to tile colors.

CHIMNEY BOTTOM TAPES (BITUBAND)

Technical Features

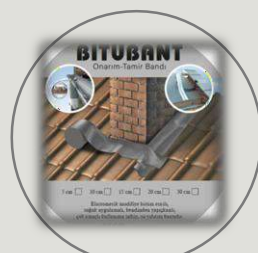
- ➔ It is produced in 10, 15, 20, 30 cm widths and in 3 different colors: **GREEN - RED - ANTHRACITE AND METALLIC.**



Green chimney bottom tape
in diameters of 10 cm, 15 cm,
20 cm and 30 cm



Chimney bottom tape in cotto red
color with diameters of 10 cm, 15 cm,
20 cm and 30 cm



10cm, 15cm, 20cm, 30cm diameter,
aluminum foil coated, UV resistant
chimney bottom tape



10cm, 15cm, 20cm, 30cm diameter,
anthracite, UV resistant chimney bottom
tape

WATERPROOFING AND AUXILIARY PRODUCTS

DRAINAGE PRODUCTS

Product Overview

Various devices used to drain water from wet areas on terrace roofs and to provide moisture balance.

Paradik 70 – 100

A strainer used for moisture and water drainage before insulation.



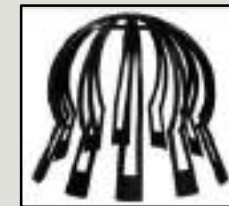
Paradik Ventilation Chimney

A chimney used for the discharge of concrete moisture.



Leaf Holder Octopus

A device used to prevent drains from clogging.



Shingle Ventilation Cover

A device used to provide moisture balance on shingle roofs.



RIDGE TAPE

•Product Overview

It is a type of accessory used to prevent water from entering the tiles from the overlapping points of the ridges by providing ventilation under the tiles.



Areas of Use

It can be adapted to bituminous surfaces, ceramic, brick, metal, stone and concrete roof forms, and curved surfaces such as domes and vaults.

STEEL NAILED DOWELS

•Product Overview

It is used in the installation of thermal insulation boards (rock wool) on sheathing and concrete.



Areas of Use

- On horizontal and vertical surfaces,
- Indoor and outdoor areas,
- Used in external thermal insulation systems.

WIDE HEAD STEEL NAILED DOWELS

•Product Overview

The product has a wide head. If the thickness of the insulation boards increases, such dowels should be used..



Areas of Use

Except for gas concrete surface,
It is used when applying stone wool to wall surfaces..

PLASTIC NAILED DOWELS

•Product Overview

It is used in the assembly of heat insulation boards (EPS, XPS) on concrete. Another frequently used structural element in sheathing processes, the plastic nailed styrofoam dowel is a structural element consisting of a plastic nail and a body, with a lower carrying capacity compared to steel.



Areas of Use

In external thermal insulation systems, it is used to fix EPS insulation boards to surfaces such as bricks, pumice, etc.

PVC STEEL FIREPROOF PLASTIC HEAD COMPOSITE DOWEL

•Product Overview

It is compatible with stone wool thermal insulation boards and is a perfect solution especially for low density ones, Thanks to its perfect wide head (085) design, it does not show any traces in plaster application and does not cause any problems in application, Thanks to its fire resistant plastic head and metal body, it complies with fire regulations,

It is a perfect solution for high-rise buildings where compliance with fire regulations is required, It has high shear strength thanks to its metal body,

Thanks to its plastic head, thermal bridges are completely prevented, it is not affected by corrosion,

The process is completed with drilling and placement, expansion nails are not used and its application is practical, It is suitable for concrete substrate, provides excellent adhesion performance.



GAS GUN MACHINE AND DOWELS

•Product Overview

Nail gun products, also known as nailers or air staplers, are tools that do not use electrical energy. High-pressure nail guns and staplers allow the nail or staple to easily fit onto hard surfaces with the compressed air it receives from the compressor.



Areas of Use

It is used in many sectors such as furniture making, flooring, construction, and decoration..

Product Overview

These are self-adhesive pins used to fix insulation materials in reverse instead of vertical applications.

Advantages:

It is self-adhesive,

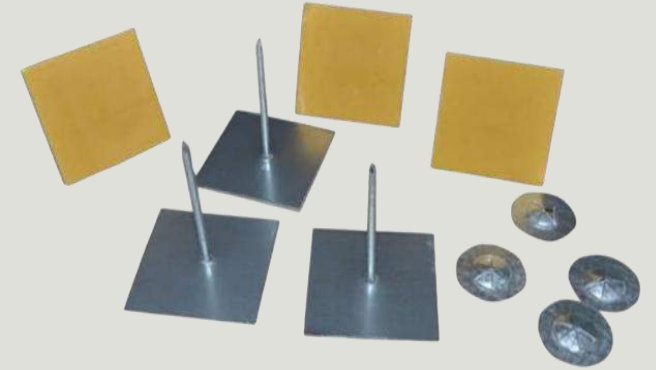
It does not pop back due to the serration on its nail, It will be fixed to the curtain concrete,

It is very fast,

It provides labor and is very advantageous in terms of cost, since it is used instead of the adhesive mortar used in the assembly of EPS or XPS.

Areas of Use

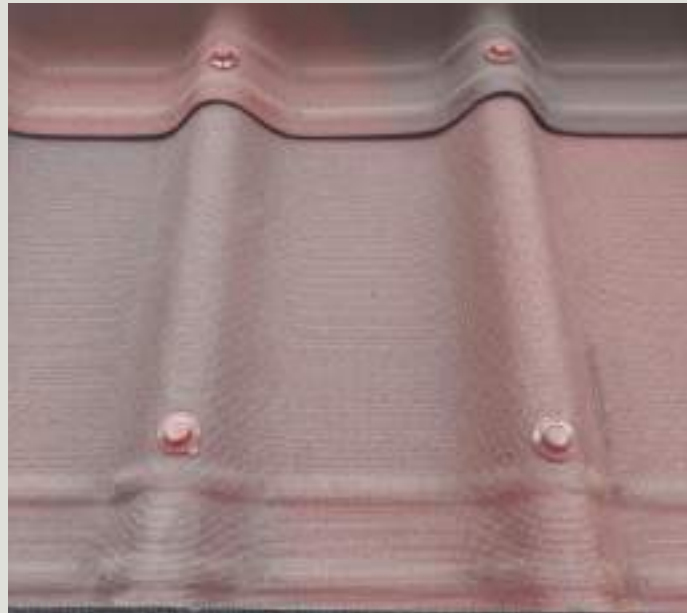
In fixing drainage boards, In fixing glass wools, In fixing rock wools, In fixing EPS and XPS in curtain concrete, In the ventilation sector.



GALVANIZED ROOFING NAIL WITH PLASTIC CAP

•Product Overview

A roofing nail with a cap is a product manufactured for the purpose of attaching materials used in roof cladding. It is called a cap because it has a wide and round piece on top. This piece ensures that the nail is fully inserted and creates a seal between the material and the skeleton.



Areas of Use

Roof coverings,
Shingle and onduline installation,
In the installation of shingle, onduline and
other light roofing materials.

INJECTION PACKERS

•Product Overview

Injection packers are devices used to inject polyurethane and epoxy resins into concrete.



Areas of Use

It is used to inject structural repair products such as polyurethane, epoxy, gel, chemical, acrylic into concrete voids and cracks.

PVC COMPATIBLE VERTICAL DESCENT- PARAPET FILTER – VENTILATION CHIMNEYS

•Product Overview

They provide workability in cold weather, high puncture resistance, resistance to cigarette butts, the ability to weld overlapping areas with hot air welding, resistance to oils and hot water accumulation, resistance to calcareous water, resistance to acids and microorganisms, resistance to thermal aging and weather conditions.

	MS 1026 PVC The parapet filter is made of PVC material and is used for the ventilation of roofs and tanks. Size: 100mm x 100mm		MS 1024 PVC The parapet filter is made of PVC material and is used for the ventilation of roofs and tanks. Size: 100mm x 100mm
	MS 1028 PVC The parapet filter is made of PVC material and is used for the ventilation of roofs and tanks. Size: 100mm x 100mm		MS 1025 PVC The parapet filter is made of PVC material and is used for the ventilation of roofs and tanks. Size: 100mm x 100mm
	MS 1001 PVC The parapet filter is made of PVC material and is used for the ventilation of roofs and tanks. Size: 100mm x 100mm		MS 1002 PVC The parapet filter is made of PVC material and is used for the ventilation of roofs and tanks. Size: 100mm x 100mm
	MS 1040 PVC The parapet filter is made of PVC material and is used for the ventilation of roofs and tanks. Size: 100mm x 100mm		MS 1003 PVC The parapet filter is made of PVC material and is used for the ventilation of roofs and tanks. Size: 100mm x 100mm
	MS 1047 PVC The parapet filter is made of PVC material and is used for the ventilation of roofs and tanks. Size: 100mm x 100mm		MS 1029 PVC The parapet filter is made of PVC material and is used for the ventilation of roofs and tanks. Size: 100mm x 100mm
	MS 1020 PVC The parapet filter is made of PVC material and is used for the ventilation of roofs and tanks. Size: 100mm x 100mm		MS 1027 PVC The parapet filter is made of PVC material and is used for the ventilation of roofs and tanks. Size: 100mm x 100mm

Areas of Use

Roofs, tanks, water connection profiles, industrial facilities, sports facilities, indoor parking lots and residences. Due to its high chemical resistance, it is used in applications requiring protection from all kinds of gas, acid and base chemicals.

TEXTILE REINFORCED HORIZONTAL AND VERTICAL OUTLETS

•Product Overview

Textile reinforced vertical and horizontal strainers.



Areas of Use

- In bathrooms
- In balconies
- In terraces
- In pools and wet areas



GREEN ROOF SYSTEMS

GREEN ROOF SYSTEMS

20 mm Green Roof Drainage Board

Product Overview

Green roofs consist of plant layers placed on roofs according to a certain system. In dense urbanization, green roofs are an economical, useful and extremely durable environmental solution, and when applied correctly, they maintain their water and moisture retention properties for years. The plants used in the system are low-maintenance and do not require irrigation.

Why Green Roofs?

They allow buildings and people to breathe.

Green roof systems are economical.

They preserve energy.

They prevent dust and increase air quality.

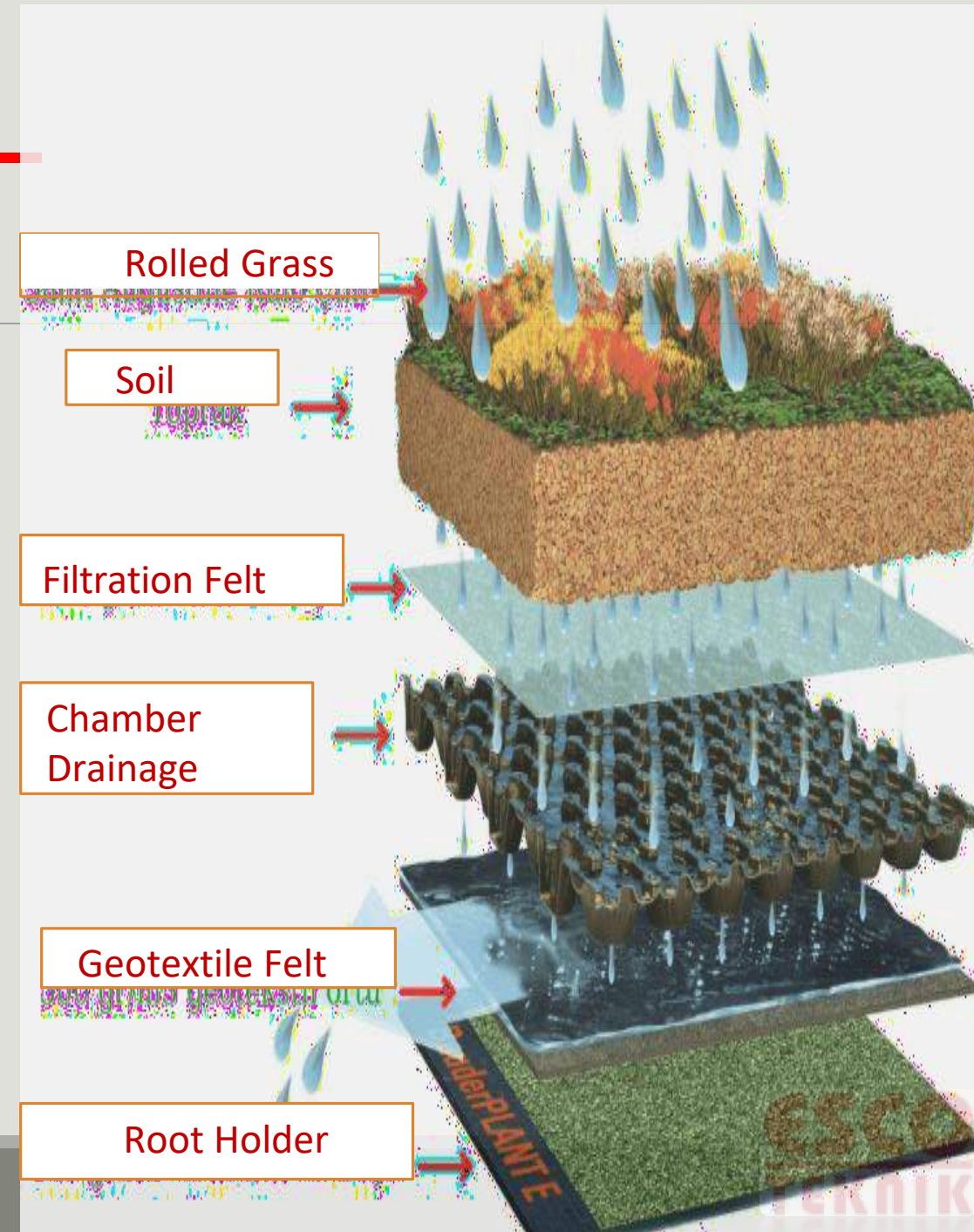
They protect the roof from extreme hot and cold weather, UV rays and mechanical damage, extending its lifespan.

A roof covered with greenery has a high sound-absorbing feature compared to a classic roof. Therefore, it provides advantages in areas such as airports and highways.

It contributes to the ecological balance by creating alternative living spaces for plants and small creatures.

It allows idle roofs / terraces to be used actively.

It gives the structure an aesthetic appearance.



Green Roof Systems

FILTRATION GEOTEXTILE

•Product Overview

It provides an efficient filtration system by allowing the formation of a natural soil filter. As a result of the water coming from the soil passing through the Esco geotextile to the drainage layer, fine particles are cleaned. Thus, a bridge is formed between the large particles right next to the Esco geotextile that forms the natural soil filter. The combination of the geotextile and the natural soil filter in this way prevents mixtures, collapses and blockages and ensures that the filtering conditions do not change during use.

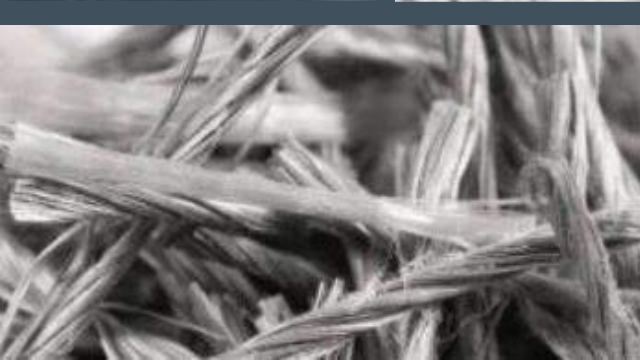
Areas of Use

- In wide-ranging drains on roads, sports fields
- Road reinforcement and drainage works
- Wall drainage
- Terrace roof separator / protective layer
- Water installations, erosion control for sloped areas of earthfill dams, river and lake sets
- Breakwaters and piers on soft-ground sea beds
- On soft-ground sea beds
- Geomembrane (PVC, HDPE) protection and all kinds of separating layer applications
- Land reclamation with hydraulic filling
- Sports facilities
- Retaining walls





CONCRETE REINFORCEMENT PRODUCTS



CONCRETE REINFORCEMENT PRODUCTS

POLYPROPYLENE FIBER

Fiber-Glass Fiber Felt

•Product Overview

High-performance fibers that greatly reduce shrinkage and shrinkage cracks of cement-based products and improve their properties such as freeze-thaw, impact and abrasion resistance.

Areas of Use

- In car parks, precast and prefabricated elements
- In sprayed concrete
- In field concrete
- In screed concrete
- In thin floors
- In suspended floors, hollow floors and cassette formwork systems
- In concrete roads
- In cement-based mortars for repair, plaster and insulation purpose
- In elements without load-bearing properties
- In water tanks, swimming pools and coastal structures
- In concretes that will be exposed to thermal stresses



CONCRETE REINFORCEMENT PRODUCTS

CONCRETE REINFORCEMENT PRODUCTS / GLASS FIBER (8MM- 12MM- 18MM)

•Product Overview

It is a monofilament copolymer micro fiber added to fresh concrete to prevent shrinkage and plastic settlement cracks, and to reduce their density and width.

Areas of Use

Large surface area concretes, floor slabs

Underground mine coating concretes

Sprayed concretes

Concrete roads, walkways and pavements

Coastal, port and all water structures

Precast and prefabricated concrete elements

Wet and dry system sprayed concretes

Repair mortars, plasters and extrusion concretes

It is used in all cement-based composites such as screed and parking lot floors.



CONCRETE REINFORCEMENT PRODUCTS

Macro Synthetic Reinforcement (Plain and Twisted)

•Product Overview

It is a macro synthetic fiber reinforcement based on polypropylene (99%) in co-polymer structure. When added to the concrete mixture at an appropriate dose, it acts as a reinforcement in the concrete and acts as primary reinforcement, eliminating the need for steel mesh and steel fiber.



•USAGE AREAS

- Tunnel and Mines Sprayed Concrete Applications
- Tunnel Linings
- Port Structures
- Water Structures
- Field Concretes
- Industrial Ground Concretes
- Precast Concrete Elements.

CONCRETE REINFORCEMENT PRODUCTS

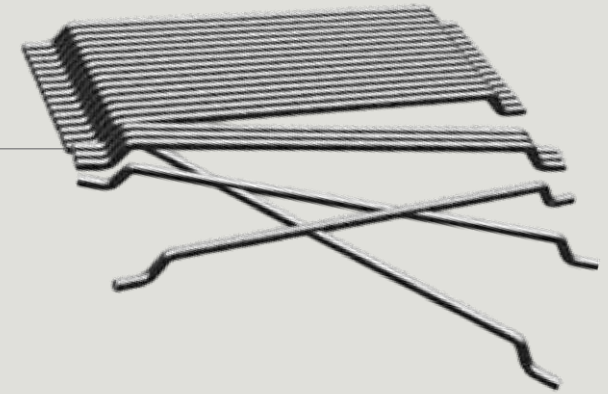
STEEL WIRES

Product Overview

It is a steel wire reinforcement material that provides a homogeneous reinforcement distribution in concrete

Areas of Use

- In field concrete, screed concrete, floor, screed and foundation concrete
- In sprayed concrete applications (tunnels, slope stabilization, dams)
- In precast concrete castings (panels, concrete pipes)
- For sprayed concrete Areas of Use of Steel wires in sprayed concrete:
- It is very conveniently used in tunnels, mining areas, Set, dam stabilization, Dams & waterways, Erosion control, Structures and constructions.
- For floor slabs Areas of Use of Steel wires in floor slabs:
- It is used in places such as factory and workshop floors, floors of places for heavy industry, aircraft hangars, airports, highways, etc. by adding it into ready-mixed concrete.
- Areas of Use of Steel Wires in Prefabricated Products: Tunnel section coatings, Mine field support blocks, Water tanks and tank compartments, Tilting panels, Sound barriers, etc. It is used by adding it into ready-mixed concrete in products such as.



ESCO PE COVER 125 (CONCRETE TOP PROTECTION COVERS)

•Product Overview

It is a protective cover on concrete with low density polyethylene content. This material, which is applied by laying side by side on the concrete ground, protects the concrete due to its waterproof and durable structure and helps to maintain the heat balance of the environment by preventing rain and snow water from penetrating the ground.



Areas of Use

- Open Field Concretes,
- Airports,
- Concrete roads,
- Ports,
- Car park floors,

ESCO STITCH CLOTH

•Product Overview

It is the name given to loosely woven linen cloth, sackcloth or bale used for handicrafts and the embroidery done on it. It is similar to etamine work. It is in the form of creating patterns from small colored crosses just like that. The difference from etamine is that cross-stitch is done on plain fabric.





SOUND INSULATION PRODUCTS

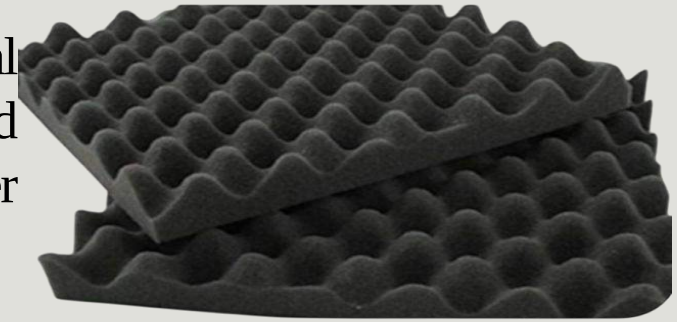
SOUND INSULATION PRODUCTS

ACOUSTIC INSULATION SPONGES

Acoustic Sound Egg Pattern Insulation System

•Product Overview

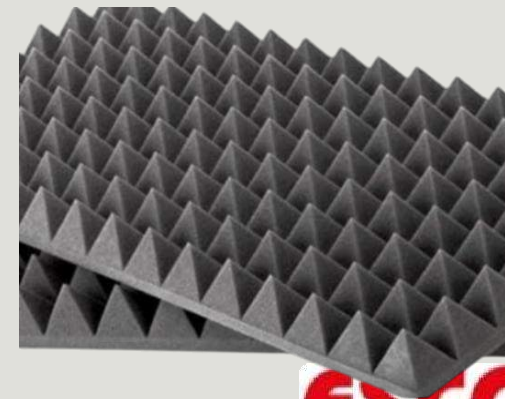
With its egg-shaped surface, thanks to the sound absorbing feature of its raw material polyurethane, it effectively manages the echo and echo that negatively affect the sound quality in the space, and ensures that the sound is transmitted in a higher quality and cleaner manner, it is a sound insulation sponge that can be easily applied to walls and ceilings.



Acoustic Sound Pyramid Pattern Insulation System

•Product Overview

With its egg-shaped surface, thanks to the sound absorbing feature of its raw material polyurethane, it effectively manages the echo and echo that negatively affect the sound quality in the space, and ensures that the sound is transmitted in a higher quality and cleaner manner, it is a sound insulation sponge that can be easily applied to walls and ceilings.



SOUND INSULATION PRODUCTS

Es - Sound Under Screed

•Product Overview

90Kg/m³ density Cross-linked and Amorphous Cell Structure Polyethylene Insulation Roll. HPE Series has High Density and Cross-linked Amorphous cell structure. Thanks to this structure, it does not carry Sound and Heat. Since it is manufactured by baking in rubber form, it has very high mechanical strength performance compared to standard PE products. HPE series, which is used for the insulation of both Airborne and Impact-borne sounds between volumes, also provides high Thermal Insulation performance.



Areas of Use

Under Screed between floors, Under Parquet, Under Raised Floor. In Inter-space Knitted Walls, Dry Type Walls, Partition Walls Made with Plasterboard. In Terrace and Roof Insulation, In Steel and Light Steel Systems. In Foundation Curtains, Diaphragm Walls. In Floor Slabs and Engine Room Details in Ships. It is used in Details Requiring Sound and Thermal Insulation.



XPE RUBBER BASED SELF ADHESIVE SOUND and SCREED EDGE INSULATION TAPE

•Product Overview

It is produced from cross-linked polyethylene. It is a single-sided self-adhesive insulation tape.



Areas of Use

It is used as sound/vibration insulation on the front parts of u-c profiles used in the manufacturing of partition walls and cladding walls, and on ceiling/floor pressing surfaces, and as an edge band in underfloor heating applications and floating screed applications.

SUBFRAME TAPE

•Product Overview

It is a composite waterproofing tape consisting of a Polyethylene Carrier layer with special Polyester Felt protection on both sides, produced for use in blind frame insulation under joinery. The fact that both surfaces have a fibrous structure provides strong adhesion to all surfaces and allows the application of different coating materials on it. Our tapes, which can be applied using self-adhesive or special acrylic-based adhesive in order to prevent Water-Heat-Air transfers from window edges, can be produced in the desired dimensions according to user demand.

Areas of Use

- Subframe Insulation Under Aluminum and PVC Joinery
- Facade Systems Water Insulation
- Ceramic Facade System
- Composite Facade System Aluminum Curtain Wall System Silicone Facade System
- Fibercement Facade System
- Precast Facade System
- Wooden Veneer Facade System Natural Stone Veneer Facade System



ESCO REBONDED SOUND INSULATION SPONGE

•Product Overview

It is a sound insulation sponge used in environments with loud noise. It is formed by breaking down and recombining waste sound insulation sponges. Its fireproofing, acoustic value and sound reduction ratio can be adjusted according to the sponges used.

Areas of Use

It is suitable for use in studios, offices, cinemas, meeting rooms, conference halls, theaters, hospitals, schools, etc. The reason for this is that it is used in plasterboard partition wall sound insulation, common wall sound insulation, inter-floor ceiling sound insulation and under-parquet vibration insulation applications.



HEAT INSULATION PRODUCTS

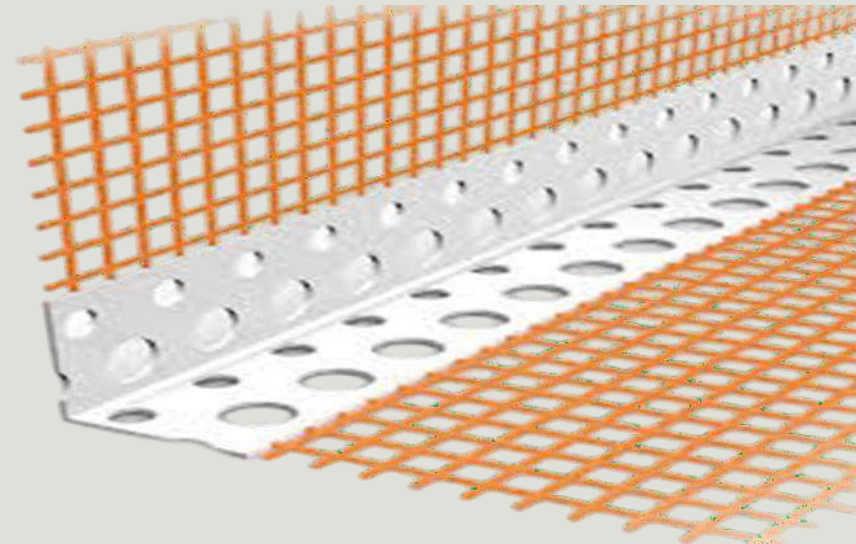
PVC Mesh Corner Profile

•Product Overview

It is a PVC corner profile with mesh used to strengthen the weak areas (edges, corners, etc.) most easily affected by external effects. It is resistant to alkaline environment and corrosion. Thanks to its production with mesh, it provides integrity with the plaster by creating a strong adhesion between the first and second plasters.

Areas of Use

It is used to obtain smooth and durable corner finishes in the corners of buildings that can be easily damaged by external factors in cladding systems and to close the joints in the application.



HEAT INSULATION PRODUCTS PVC NET DROPPER

•Product Overview

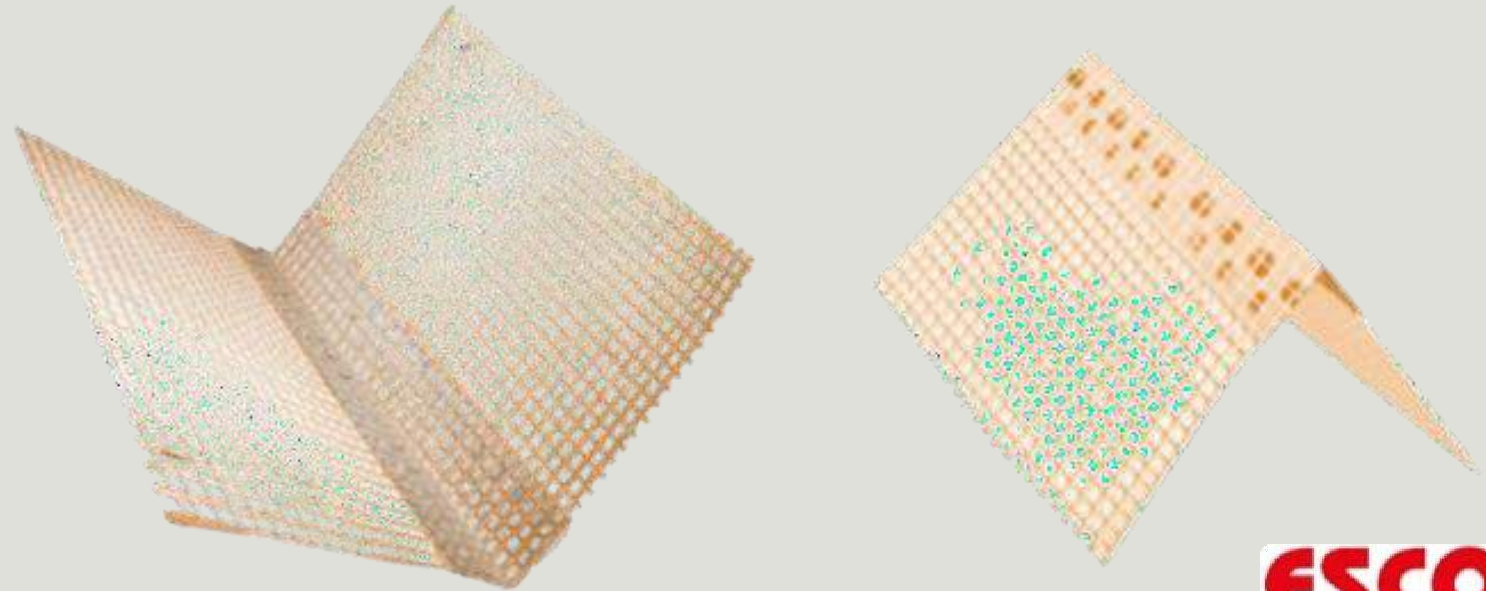
It is a corner profile used to protect building corners, window and door edges against possible mechanical damage and to ensure smoothness in the plaster layer.

Areas of Use

It is used on the upper edges of building gaps (windows, doors, etc.).

APPLICATION:

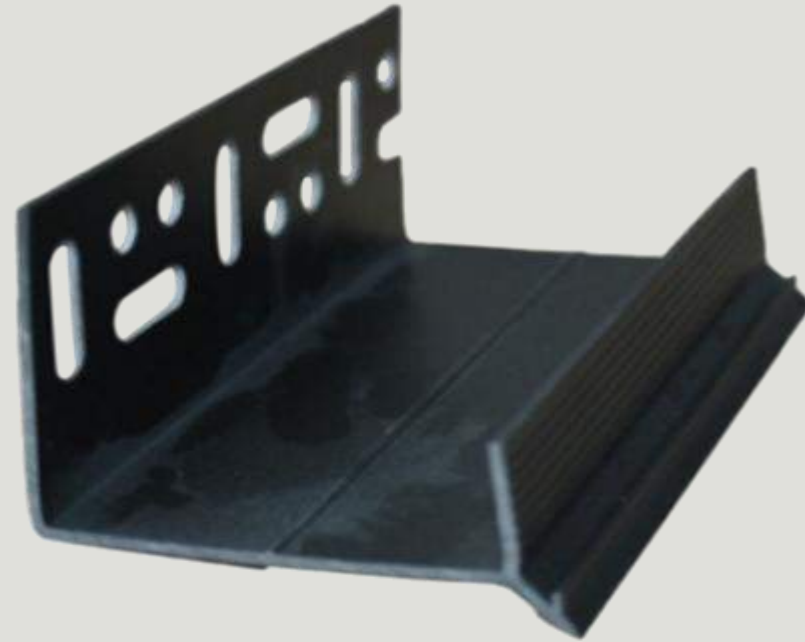
It prevents water flowing from the facade surface from leaking towards the door and window centers thanks to the dropper.



SUB BASEMENT PROFİLİ

•Product Overview

It is used in the installation of EPS XPS and Rockwool thermal insulation boards on concrete.



PVC SILDING

•Product Overview

These are profiles that allow insulation details to be applied by extending these sections in places where the existing window sills are not sufficient in thermal insulation applications.

Areas of Use

In thermal insulation applications, it is used to extend the window sills when needed.

APPLICATION:

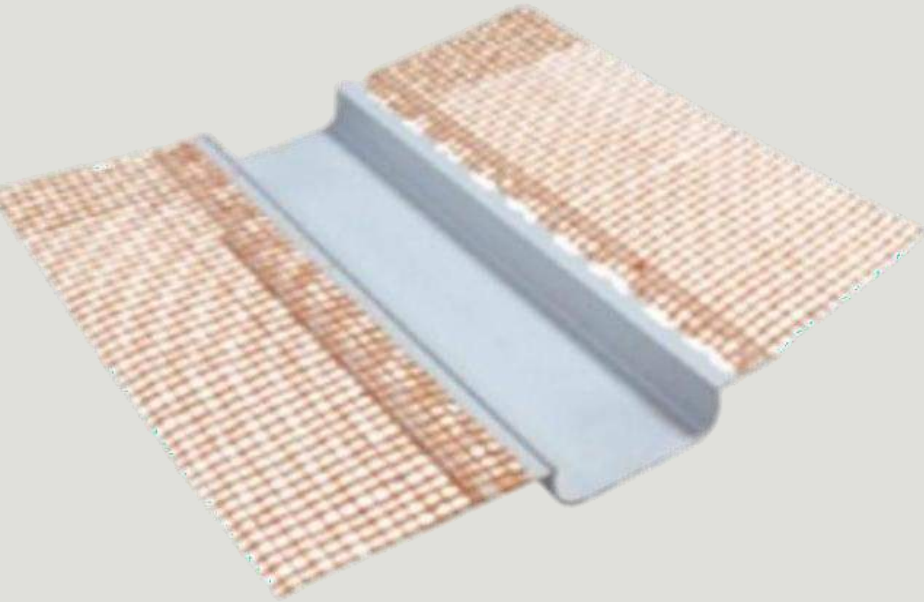
At the end of the exterior cladding applications, it is placed in front of the marbles in front of the windows according to the insulation thickness used.



PVC NET FUGA PROFILE

•Product Overview

It is a self-mesh PVC profile used to obtain an aesthetic and beautiful appearance by placing it in the channel created on the facades of buildings.



Areas of Use

It is an accessory used to obtain a smooth and decorative appearance by placing it inside the joint grooves opened on the exterior thermal insulation boards.

ISOLATION BRUSH

•Product Overview / Areas of Use

It can be easily used in curtain concrete, foundations and other surfaces.

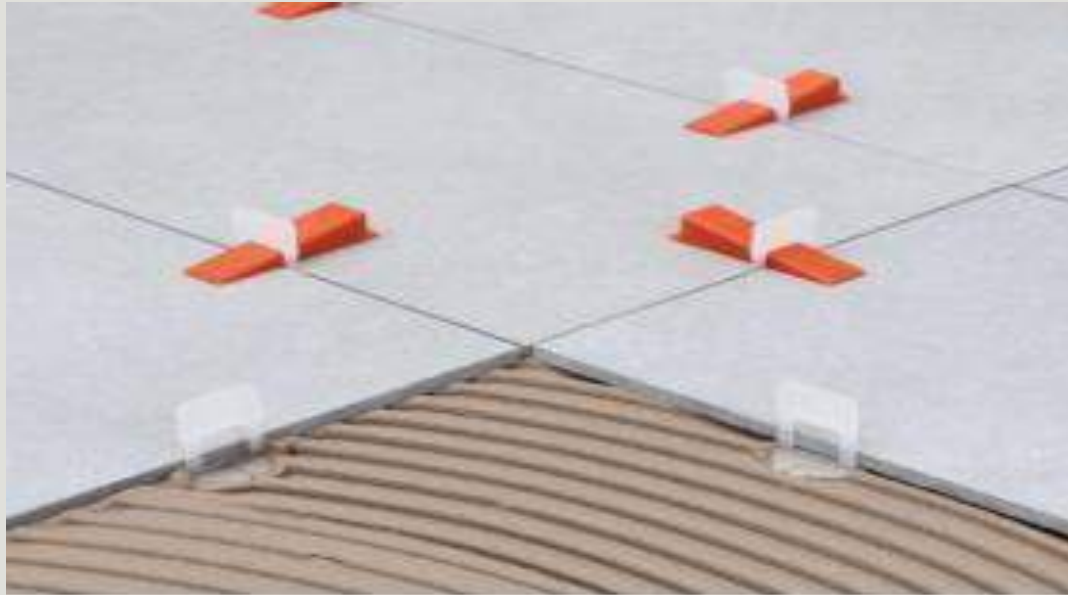
It can be easily used in all cold sliding insulations.

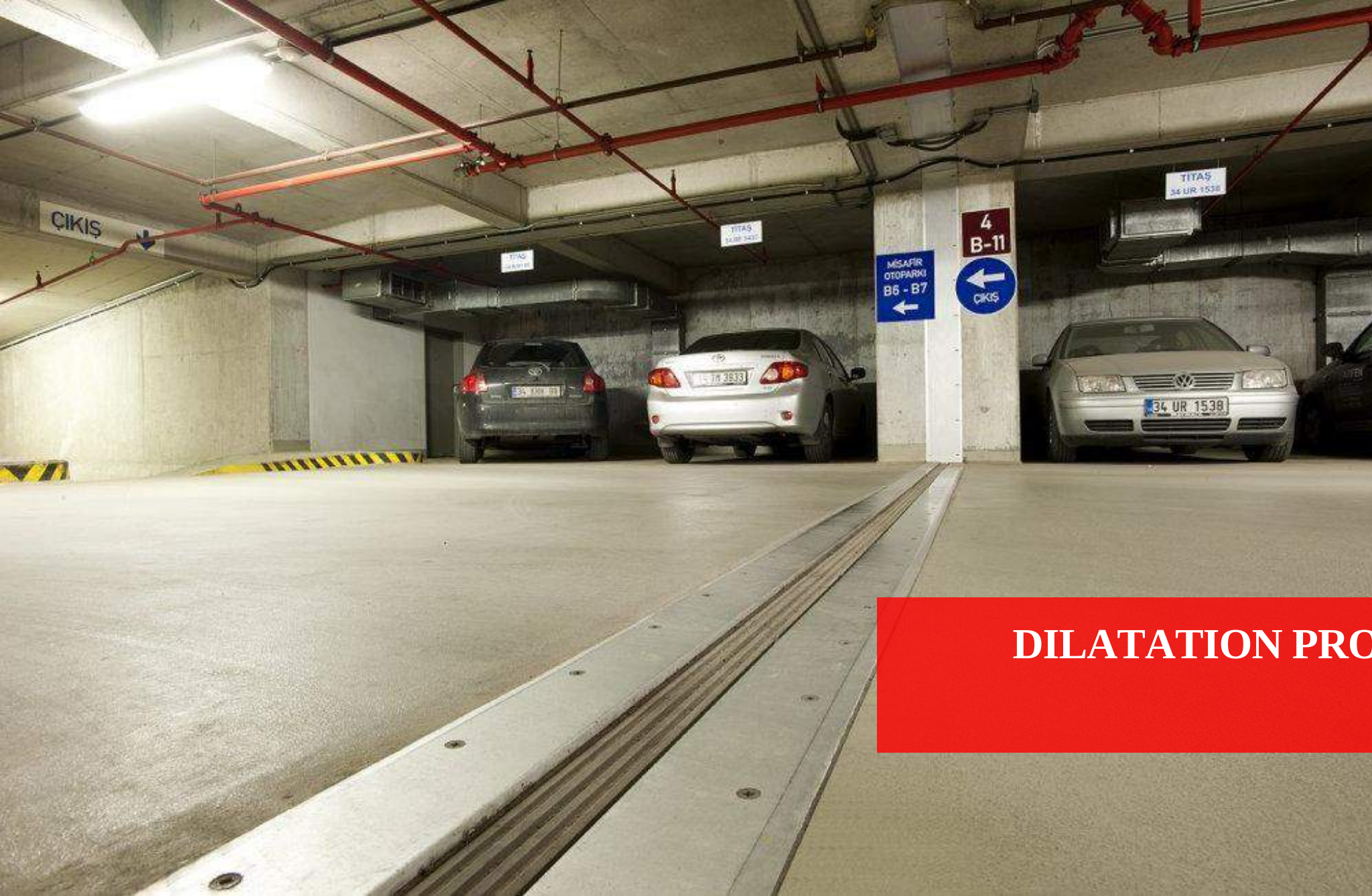


LEVEL DETECTION CLIP AND WEDGE

·Product Overview / Areas of Use

Level fixing clips and wedges for ceramic and granite group products.





DILATATION PROFILES

DILATATION PROFILES

Wall Dilatation Profiles

WALL CORNER PROFILE –DK 50-100

•Product Overview

-Silver Anodized Wall Ceiling Corner Cover Expansion Profiles are shipped with countersunk head screw holes at 45 cm intervals on one side.



UNDER COATING WALL CEILING PROFILE - DKA-100/20

•Product Overview

-Under plaster WALL expansion profile.



WALL CEILING COVER PROFILES –DK 50/100

•Product Overview

-Silver Anodized Wall Ceiling Cover Expansion Profile is shipped with countersunk head screw holes at 45 cm intervals on one side.



DILATATION PROFILES

Floor Expansion Profiles

FLOOR COVER PROFILE –ZK 120

•Product Overview

-120 mm Silver Anodized Floor Cover Expansion Profile, shipped with countersunk head screw holes at 45 cm intervals on one side.

UNDER COATING FLOOR EXPANSION PROFILE UNDER FLOOR COATING- ZKA 100-15

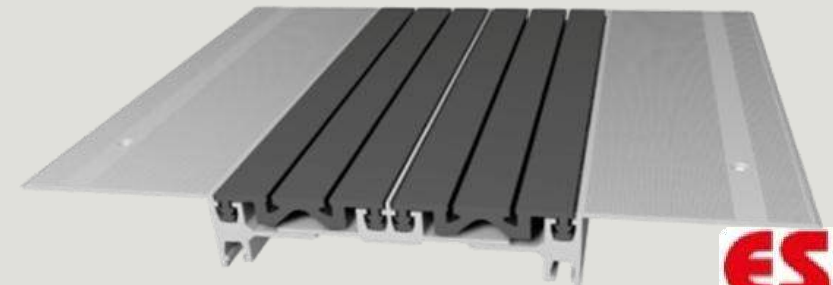
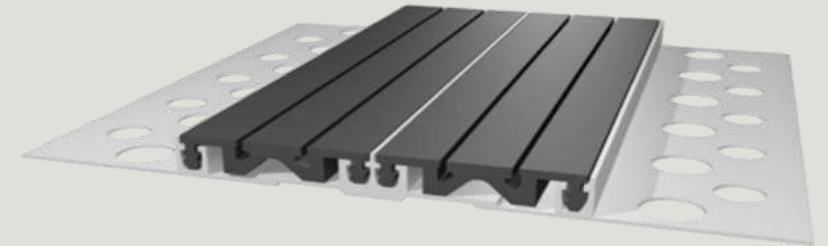
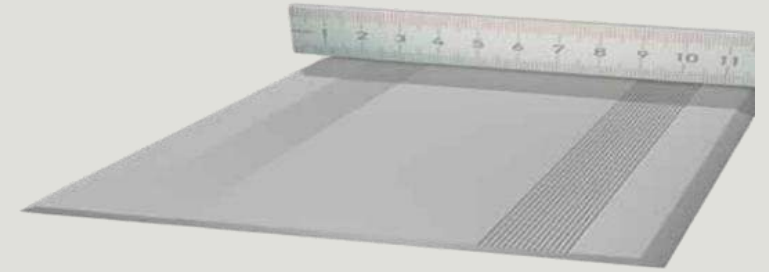
•Product Overview

-Under plaster FLOOR ceiling expansion profile.

OVER COATING FLOOR EXPANSION PROFILE–ZKU 100-30

•Product Overview

-Over coating FLOOR expansion profile.



PVC PLASTIC TILES

PVC Kiremit Özellikleri



- Montaj Kolaylığı, Ekonomik, Hafif



- 5 Yıl Garanti Süresi



- Polimer Yüzey Yapısıyla Üzerinde Uzun Süre Kar Tutmaz.



- Yanmaz, alev almaz, var olan alevin büyümesini hızlandırmaz.



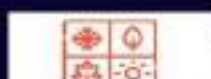
- Anti Bakteriyel



- Yüksek Teknoloji Yerli Üretim



- Esnek Yapılı (Zor Kırılan Malzeme)



- UV Işınlara Karşı Uzun Ömürlü, Atmosferik Koşullara Karşı Mükemmel Direnc



- 10 Adet Kiremit 1 Metre²'yi Kaplar.

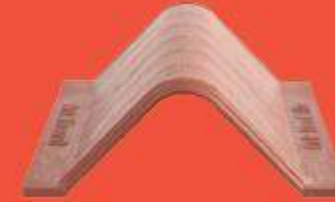


Siyah

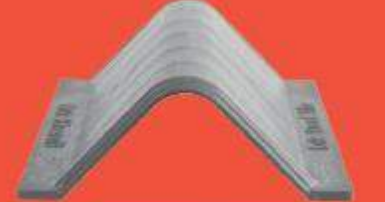
Kiremit Kırmızı

Antrasit

- Mahyaların 3 tanesi 1 Metre'yi Kaplar.



Ağırlık: 1,30 kg



En: 28 cm



Boy: 35 cm

PLASTERBOARD INTERVENTION COVER

•Product Overview

The example above includes the internal and external dimensions of the 40x40 intervention cover.

Accordingly, a 40x40 hole is opened in the plasterboard and the cover is placed from the top. There is a 3 cm edge frame from each side.

When opening the holes, a distance of at least 3 cm should be left at the bottom of the wall and the edges of the prol. The frames of the covers are made of white painted 1st class aluminum and there is no deformation such as rust.

The inner parts of the covers are assembled by cutting the plasterboard.

Optionally, there can be fireproof plasterboard (Green plasterboard) or honeycomb grid shaped interiors. The locking system of the cover is automatic, it is closed with a snap lock system with one press, and the cover is opened with a snap system with the second press.

When the cover is first opened, a security measure has been taken with a half-opening system with a suspension wire so that it does not open quickly below.

The hinge system is made of galvanized metal overlapping iron system. The intervention cover; as long as it is not exposed to external impacts and interventions in the place where it is applied, it is guaranteed for the life of the area where it is applied.

As for the snap lock system, which is a part that can be damaged; since it has not been deformed in the 1000 times opening and closing test we have conducted within ourselves, and if a damage occurs, it is assembled with a screw system, the fault can be fixed by dismantling the old snap lock system with the supply of spare parts and assembling the new part in its place.

