



# WE ARE IN **SUCCESSFUL** PROJECTS



WITH OUR CUSTOMER BASED PRODUCTS AND  
ENGINEERING SOLUTIONS

**istanbul**teknik

## We, as İstanbul Teknik family, believe that:

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Everyone can make a small contribution to improve the lives of all humanity by doing what they do best, albeit with the products they produce or the solutions they develop.

This process, which starts not only with doing your work to perfection but also to aim to achieve excellence will one day grow beyond national borders and spread to the entire globe with efforts to achieve better and higher quality.

Our motto “To Improve Life”, which we adopted when we started our corporate operations 25 years ago, has now turned into a corporate commitment for us. A commitment that we will never forget, a commitment to always take responsibility for every product we manufacture every solution, and service we provide.

I hope that the new breakthroughs İstanbul Teknik achieved and present to you constantly will also improve your life...

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construction

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## About Us

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Istanbul Teknik is a building material production, sale, engineering solutions, and applications company founded in 1998 with 100% Turkish capital. It is also the first and the largest geogrid producer in Turkey and is a member of the International Geosynthetics Society (IGS).

With its wide range of products, Istanbul Teknik provides services in the fields of Marble, Asphalt, Landscaping, Insulation and Geosynthetics. It offers unique solutions for each customer through its engineers and specialized employees. It has achieved many FIRSTs and BESTs with the products, solutions, and applications developed by it.

In 2019, the Company became an authorized R&D Center in the field of Geosynthetics and Asphalt Additives based on the approval of the Turkish Ministry of Industry and Trade.

Istanbul Teknik, which was ranked as one of the top 500 companies in the year it was founded thanks to its R&D investments, is in the league of giant corporations with its increased investments every year, the cooperation that it jointly conducts with universities and international research organizations and its scientific publications.

Our R&D Center aims to contribute to the economy by presenting innovative solutions for our sector and our country, with our scientific research on geosynthetics and asphalt additives.

Istanbul Teknik has currently become a company that continuously develops new products and solutions in the fields of Geosynthetics, Asphalt Additives, Insulation Products, and Marble Products, presents products that are used safely at 1.000 points in the domestic market and over 80 countries, and manufactures its products at its factory equipped by modern technology on an area of 30.000 sqm in Bolu, and further maintains its leadership in the sector.

## About Us



**24 years**

experience in geosynthetic products, solutions and asphalt additives.



We are a production and engineering company founded in 1998 with

**%100 Turkish**  
capital.



We maintain our works in

**11 main groups**

by developing innovative products and engineering solutions.



We are

**leader**

in Geogrid production.



With

**40 experienced engineers,**

we generate specialized solutions.



With our nationwide

**1000 dealers,**

we offer our products to the sector.



By exporting products and solutions to

**over 80 countries,**

we contribute to the Turkish economy.



Our products and solutions are safely used on

**5 continents.**



We develop new products and solutions as the first Ministry-approved

**R&D Center**

in the fields of geosynthetics and asphalt additives.



We manufacture our products

**at our factory**

equipped by the state-of-art technology on an area of 30.000 sqm in Bolu Organized Industrial Zone.

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## Our Firsts

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The first R&D Center in its sector approved by the Ministry of Industry and Technology.

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The first and the largest knitted geogrid producer in Turkey.

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The first asphalt anti-stripping additive producer in Turkey.

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The first warm mix asphalt additive producer in Turkey.

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The first controlled curing marble epoxy Producer in Turkey.

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The first rapid-setting asphalt emulsifier producer in Turkey.

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The first double side dimpled drainage board product in Turkey.

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The first high pitched roof pyramid shaped soil cell product in Turkey.

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## Our Bests

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The longest and the largest tunnel insulation applications in Turkey: Zigana Tunnel of 900.000 sqm and Ovit Tunnel of 800.000 sqm.

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The most experienced geosynthetics company in Turkey with business volume of over 200.000.000 sqm.

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1400 m-long Northern Marmara Highway as the longest geogrid reinforced retaining structure in Turkey.

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The geogrid producer with the highest production capacity in Turkey.

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The largest project design and technical service staff in the field of geosynthetics in Turkey.

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The highest geogrid reinforced retaining structure in Turkey: above 50 m

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The most preferred green roof systems in Turkey.

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The producer with the widest range of products in the field of geosynthetics in Turkey.

# Our Fields of Activity

## Products And Engineering Solutions



Our engineers, who are specialized in their fields, lead the sector by developing special engineering solutions for each project and need. That is why we have a history full of Firsts and Bests. The feedback we get from our regular construction site visits and the identified needs are constantly reviewed; and with the efforts of our engineers, R&D department, and production team, we create the right products and new engineering solutions that will move our industry forward.

## Production



We produce Geogrid & Geocomposite, Geomembrane, GeoCell, Asphalt Chemicals, Asphalt Emulsifiers, Polymer Modified Bitumen, Cellulosic Fiber, Drainage & Green Roof, Insulation Fasteners, Epoxy, and Bitumen-based insulation products on our specialized, state-of-the-art production lines at our complex, which is located on a total of 30.000 sqm area including 12.000 sqm indoor area in Bolu Organized Industrial Zone and which competes with domestic and foreign manufacturers.

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# Our Fields of Activity

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## R&D Center



With our R&D center registered by the Ministry of Science, Industry, and Technology of the Republic of Turkey, we develop products and engineering solutions that will respond to the ever-developing conditions and application needs. For this purpose, we cooperate with domestic and international partners.



## Contracting



Istanbul Teknik's field teams have been working in the fields of GeoArme geogrid reinforced retaining walls, tunnel insulation, pond-canal-tank bottom insulation, insulation of solid waste, and hazardous waste storage areas, slope erosion control and rockfall solutions and applications in a reliable, cost-effective and fast way for many years. Our contracting teams incorporate the functions of project design, production, powerful supply, field application teams and R&D laboratory act as solution partners by providing full support to its main contractors.



# Production

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## Geogrids and Geocomposites



As Turkey's only domestic and highest capacity manufacturer, we produce knitted and woven type coated geogrids made of polyester and glass fiber yarns and geocomposites produced by sewing or adhered to the geotextile carrier in accordance with the needs of the projects. We can offer products in very wide range of strengths between 20kN/m and 800kN/m for our sector. We have the widest dimensional products and product range in the sector, with our products in widths of 5.25 m for coated products and 5.40 m for uncoated sewed products.

## Geomembrane



We can produce PE, PP Geomembranes between 1 mm and 3 mm in single, two or three layers by co-extrusion method. These products are customized for applications such as tunnels, ponds, waste storage sites, water tanks and foundation tanking with different raw materials and production processes.

## GeoCell



We can produce different product configurations from three-dimensional, honeycomb shaped PE and PE alloy raw materials, with welding distance between 250 mm and 880 mm and with cell wall height 75 mm and 300 mm, and 1.3 and 2 mm thickness. These products can be produced in different panel sizes and raw material characteristics according to the field of use such as erosion control, stabilization and wall front element. Also, they are produced with holes, without holes or with rope holes according to the application method for the purpose of ensuring the most convenient use.

# Production

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## Asphalt Chemicals



We manufacture a wide range of asphalt chemicals such as anti-stripping agents, workability admixtures, cold asphalt patch additives and crack sealants whose chemical formulations belong to our Company. As the producer of the first domestic anti-stripping additive, we aim to reduce Turkey's foreign dependency in this field with our ever increasing product ranges.

## Asphalt Emulsions



With the emulsion facility founded by us in accordance with the latest technological developments, we can produce all emulsion types required in the highway and international specifications and their modified types with SBS or Latex. We provide ready-made bitumen emulsion services to projects without the need for an additional facility at the construction site. Polymer modified bitumen emulsions are indispensable products for surface treatment, protective surface treatment and Microjet applications.

## Polymer Modified Bitumen



Our modified facility, developed with the latest technologies, which can mix modifying additives such as SBS or Latex under appropriate conditions, offers you the products required by the projects.

# Production

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## Cellulosic Fiber



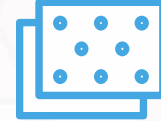
These products made of cellulose and used in stone mastic asphalt applications and prevent drain down are produced in accordance with international use specifications.

## Drainage & Green Roof



We also produce drainage boards with dimple height of 8 mm, 10 mm, 20 mm, 25 mm and 40 mm, as well as geotextile laminated drainage boards required for the cross-sections in foundation insulation, waste storage site drainage and green roof system projects.

## Insulation Fastener



For brick, aerated concrete blocks and concrete surfaces, which are the important elements for facade sheathing systems; we offer plastic or steel nailed fasteners that have different shank shapes and structures, for the leading sheathing system companies as their solution partner or for our projects and dealers under our own brand with highest quality.

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# Production

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## Epoxy



For the marble and natural stone sector, we provide you block bundling gels, plate gels and marble strengthener epoxy resins for you. At our R&D Center, we specifically develop and present our epoxy and gel products, which are suitable for factory, climate and use conditions and which can be cured in different periods and meet the needs of producers excellently.

## Bitumen-Based Insulation Products



Our bitumen modified facility also has sufficient capabilities and experience in the production of single or double component liquid insulation materials that are widely used in the insulation sector.

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### **Turkey's first and only R&D center in the fields of Geosynthetics, Asphalt Additives and Marble Protectors.**

#### **Ministry - Approved**

Istanbul Teknik has determined its corporate strategy as domestic/national production in the geosynthetics and asphalt sectors. Accordingly, it aims to develop domestic alternatives for import-dependent products and also to introduce new product groups that are unique to our sector. With the works conducted to achieve this vision, the "R&D Center" of Istanbul Teknik İnşaat was registered by the Ministry of Industry and Technology of the Republic of Turkey on January 16, 2019.

Our R&D Center is the first and only R&D Center certified in the field of Geosynthetics, Asphalt Additives, Marble Protectors.

Our R&D Center, which participates in congresses and seminars with its academic publications, cooperates with domestic/foreign universities, industrial companies, and research centers, and also conducts its intense activities in the support platforms such as TUBITAK, KOSGEB, Horizon Europe, and Eureka, etc.

The general vision of our organization, which is among the leading companies in the production of asphalt chemicals, marble, insulation, geogrid, insulation fasteners, and green roof drainage boards in our country, particularly in the Highways and Construction products group, in terms of its R&D activities is to develop the products, which are not or manufactured less in our country and which increase dependence on imports, through domestic engineering studies and original formulas to increase competitiveness in global markets.

# R&D Center

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## Our Projects

Our R&D Center mainly focusses on energy efficiency, geosynthetics and asphalt additives since established in 2019, has developed many products as a result of the projects it has created both by using its own means and together with the other players in the sector. It also continues its industrial rights acquisition activities to protect these products..

Concentrating its studies mainly on energy efficiency, geosynthetics and asphalt additives since its foundation in 2019, our R&D Center has developed many products as a result of the projects it has created both by using its own means and together with the other players in the sector. It also continues its industrial rights acquisition activities to protect these products. Since the registration of our R&D Center:

**Completed Projects:** 20 R&D Center Projects, 2 TEYDEB 1501 Projects, 1 KOSGEB R&D and Innovation Project

**Ongoing Projects:** 8 R&D Center Projects, 2 TEYDEB 1501 Projects, 1 Newton Katip Çelebi Academy-Industry Fund, 1 EuroStar-3 Project

**Industrial Property Rights:** 2 Patent Applications, 45 Registered Trademarks

**Academic Studies:** 1 SCI-E publication, 12 national papers, 5 international papers.

## Our International and Academic Cooperation Partners



# Sustainability

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## Respect For the Nature and Life

Istanbul Teknik aims to protect nature and human health in all its activities. It intends to ensure continuous improvement by using natural resources effectively and economically at every stage of its activities from production to sales and shipment, to fully comply with laws, to reduce wastes at source, and to separate and recycle them. It takes care of human health and social benefits in all processes.

Our “Zero Waste Project”, is aimed to prevent or minimize the generation of waste and to separate, collect and recycle the generated waste.

## Recyclable Products

While we take care to use recyclable products during the production phase without compromising on quality and standards, we also demonstrate the same care in the products we manufacture. In addition, we are happy that the products manufactured by us are used for purposes intended to protect the environment and nature, particularly in waste storage sites.



## Low Carbon Footprint

We are trying to reduce our carbon footprint by taking measures to reduce fossil energy consumption from our production devices to our transportation vehicles and by continuously minimizing carbon emission energy consumption in our production facilities and all our entities. As the entire İstanbul Teknik family, we operate with the awareness that this is our responsibility.



# Our Specializations

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## Geosynthetics

This group includes geogrid, geomembrane, geotextile and asphalt reinforcement products used in soil improvement and stabilization, geosynthetic reinforced wall, environmental protection, erosion control, solid waste and liquid waste storage works.



## GeoArme Retaining Walls

GeoArme includes Geosynthetic reinforced retaining wall systems with durability, fast application, economy and aesthetic appearance options sought in civil engineering structures.



## Asphalt Chemicals

Asphalt additives consist of anti-stripping agents, modified bitumen additives, cellulosic fibers, asphalt emulsifiers, warm mix asphalt additives, crack and joint sealants, cold asphalt patch additives and asphalt chemicals that are used in a wide range of areas.



## GeoGreen Green Roof Systems

Green Roof Systems are the products that ensure greening of the roof gardens and car park tops. They are widely used on pitched roofs, car park tops, terrace roofs, terrace gardens, green terrace applications and walking paths.



## Water and Heat Insulation Products

For waterproofing; they cover roof and facade underlays, butyl tapes, wet volume membranes, drainage boards, fixing pins and fixing aluminum profiles. For thermal insulation; they cover plaster reinforcement meshes, fixing pins and facade sheathing profiles.



## Marble Strengthening Systems

Marble repair and strengthening products; It offers solutions for filling the pores on the surface of natural stones and marbles, repairing cracks and eliminating losses that may occur during processing and transportation.



## Concrete Reinforcement Fibers

Concrete Reinforcement Fibers; They are polymer-based concrete fibers that reduce shrinkage and shrinkage cracks of cement-based products, and improve freeze-thaw, fire, impact and abrasion resistance.

# Geosynthetics Product and Applications

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## Retaininfg Wall and Steep Slopes



## Reinforced Asphalt



## Stabilization



# Geosynthetics Product and Applications

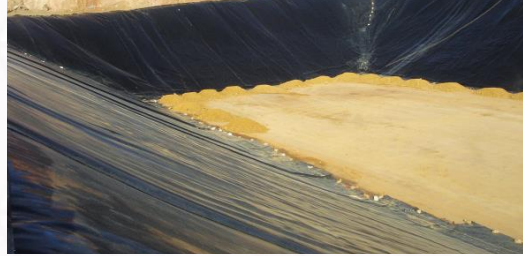
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## Erosion Control



## Liquid and Solid Waste Storage



## Tunnel Insulation



# Geosynthetics Product and Applications

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## ❖ ForTex®

Bi-Axial Geogrids



## ❖ ForTex®

Uni-Axial Geogrids



## ❖ ForTex®

Geocomposites



## ❖ GeoSeal®

PVC Geomembranes



## ❖ GeoSeal® X Flex

Geomembranes



## ❖ GeoSeal® X Dura

Geomembranes



## ❖ ForCell®

Erosion Control Products



## ❖ ForCell®

Stabilization Products





# Geosynthetics Product and Applications

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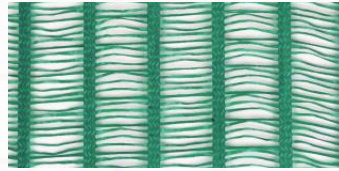
## ❖ ForCell®

GeoArme Wall Products



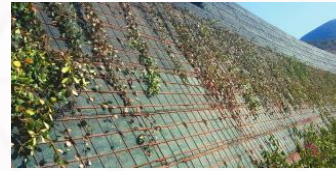
## ❖ GeoMat

ForTexMat



## ❖ GeoArme®

GeoArme



## ❖ AsfaltTex®

Asphalt Geogrids



## ❖ GeoTeknik®

GeoTeknik PP



## ❖ GeoTeknik®

GeoTeknik S



## ❖ İzoTeknik®

İzoteknik



# Asphalt Solutions and Products

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## Asphalt Maintenance/Repair



## Durable Surface Treatment And Protective Coating



## Hot Mix Asphalt



## Stone Mastic Asphalt



## Workability Increasing



# Asphalt Solutions and Products

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## Recycling of Asphalt



## Bitumen Emulsions



## Colored Asphalt



## Asphalt Protection System





# Asphalt Solutions and Products

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## ▣ HiperCell®

Cellulosic Fiber  
Additive

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## ▣ SBS

Polymer Modified  
Bitumen (PMB) Additive

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## ▣ NovaPrene®

SBS Based Polymer  
Modified Bitumen Additive

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## ▣ TeraGrip®

Anti-Stripping Agents

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## ▣ TeraMuls®

Bitumen Emulsifier

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## ▣ FlexoDerz®

Hot Applied Joint Sealant

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## ▣ FlexoDerz® PU

Polyurethane Joint  
& Crack Sealant

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## ▣ Fluxer A®

Cold Asphalt Patch Additive

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# Asphalt Solutions and Products

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## ▣ HiperFiber

Syntetic Asphalt Fiber

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## ▣ HiperPaint PU

Two Component  
Polyurethane Paint

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## ▣ MikroJet®

Asphalt Protection System

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## ✘ AsphaltTex®

Asphalt Reinforcement

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## ▣ TeraClear®

Bio-Based Bitumen  
Cleaner

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# Insulation Solutions and Products

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## Facade Sheating



## Roof Insulation Systems



## Roof Drainage and Insulation Systems



## Foundation Insulation Systems



## Wet Volume Insulation Systems



## GeoGreen Green Roof



# Insulation Solutions and Products

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## TrioTex<sup>®</sup>

Roof and Facade  
Underlays



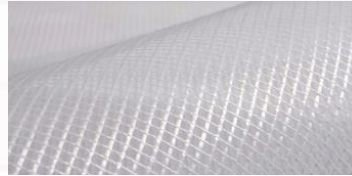
## TekDrain<sup>®</sup>

Drainage Boards



## FileTex<sup>®</sup>

Plaster Reinforcement  
Meshes



## TekFix

Fixing Elements



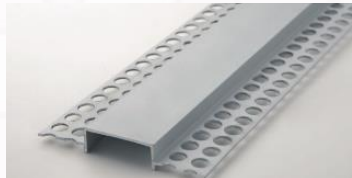
## AquaLay<sup>®</sup>

Wet Volume Membrane



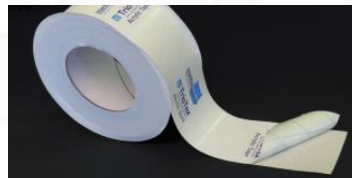
## ProfilEx<sup>®</sup>

Facade Sheating Profiles



## Prima<sup>®</sup>

Technical Tapes



## TekDrain<sup>®</sup>

Green Roof Drainage Boards



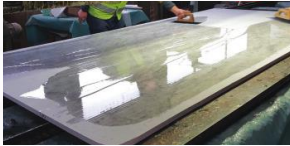
# Marble Solutions and Products

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## Epoxy-Based Marble Repair and Strenghtener



Mega Epoxy



Ultra Epoxy



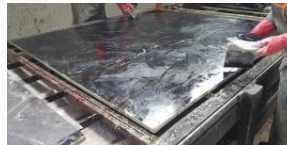
## Marble Filler and Strengthenener



Pro Plate Gel



Transparent Gel



## Marble Blokc Protection And Bundling Gels



Eco Block Bundling Gel



Pro Block Bundling Gel



# Marble Solutions and Products

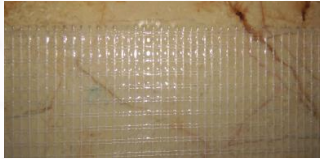
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Marble Protective  
Meshes

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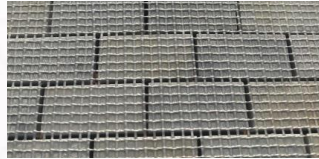
Marble Block Protective  
Meshes

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Marble Mosaic  
Meshes

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# Our Certificates

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TS EN 13859-1



TS EN 13859-2



ISO 9001:2015  
ISO 10002:2018  
ISO 14001:2015  
ISO 45001:2018

## Education



It is necessity.

In product sales and application processes, we provide trainings based on the parameters of "right product", "right solution", "right application" by our product technical management unit.



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# RightProduct  
RightSolution

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# Right Product Right Solution...



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**Thank  
You —**