



## S SOLUTIONS

We Bring Solutions

## T TRENDS

We Come up with Innovative Trends

## Y YOUTH

We are a Young & Dynamic Team

## R RELIABLE

We are Reliable & Committed

## O ORIGINAL

We Strive to be Original

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**COMMITMENT  
TO QUALITY  
GUIDED BY  
A COMMON VISION**

## INTRODUCTION

### TRANSFORMING THE FUTURE OF EXPANDED POLYSTYRENE

STYRO, a name that's synonymous with supreme quality fire retardant Expanded Polystyrene (EPS) products. We are the pioneers in the industry and continue to be the game changer of the region. For over fifteen years, we have excelled in our offering through constant product innovation. Our prompt service and exceptional customer support have made us the most reliable and trusted leader in the Expanded Polystyrene (EPS) industry. Our wide product range will fulfill the needs of both commercial and residential sectors.

STYRO was incorporated to address the growing demands of an industry that had immense possibilities to grow. Today, the company through its ingenious thinking and technically skilled team delivers creative solutions. STYRO constantly explores new possibilities and to this end, we introduced a whole new packing and packaging concept in the region – thanks to the out-of-the-box ideas developed by our Art division.



### Vision

Our vision is to be known as a brand that stands for reliability, efficiency and responsiveness. To be the most preferred choice in the Expanded Polystyrene industry that fully complies with international safety and environmental standards and thereby deliver value for all our stakeholders.

### Mission

Create unique products and services that not only meet client needs, but also exceed expectations. We constantly aim to bring innovation to the table through dedication and integrated management.

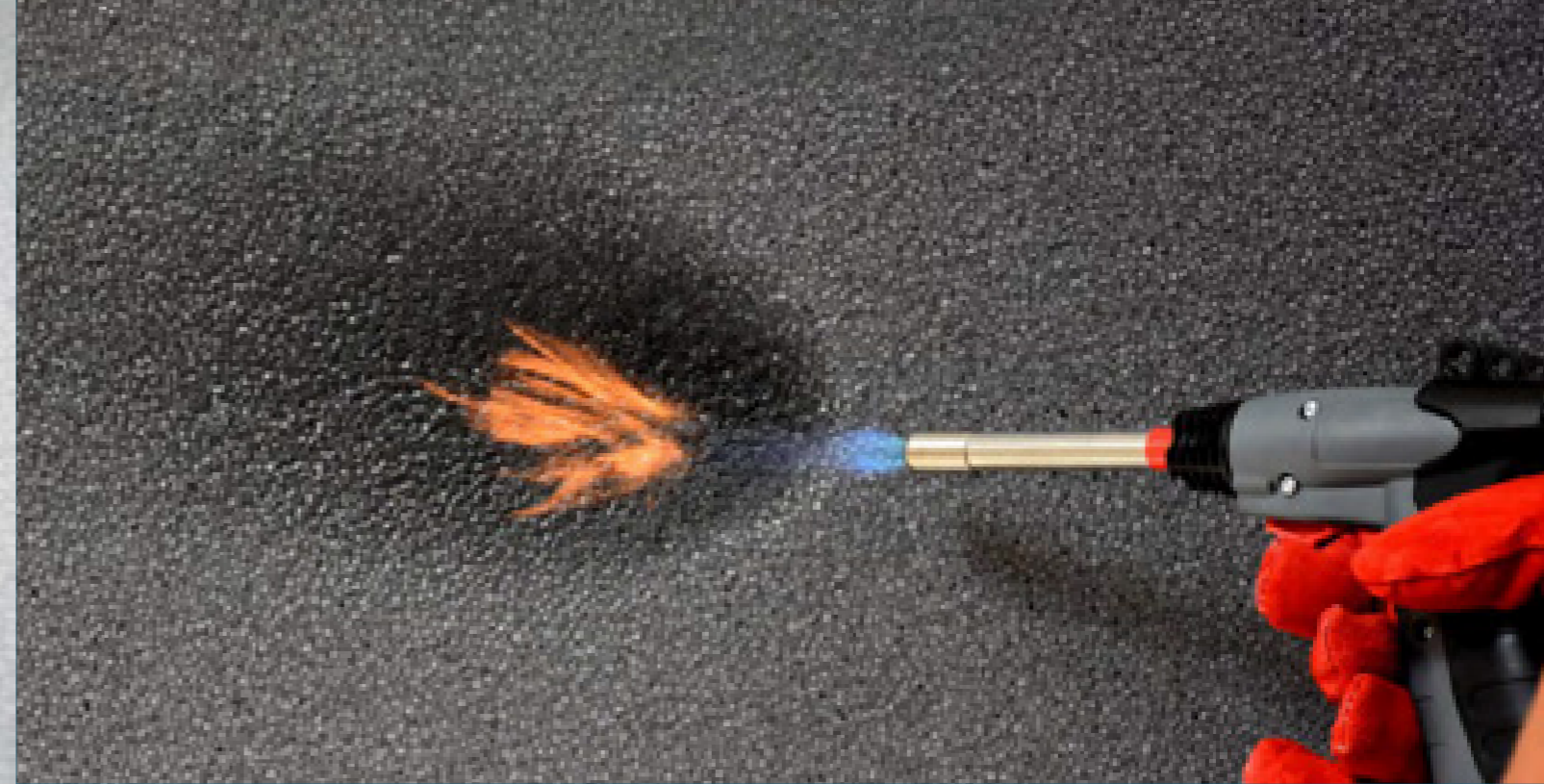
### Teamwork

People are the force behind our success. We all are dedicated to contribute to the best of our abilities and go that extra mile to deliver client satisfaction. Personal commitment, professionalism and mutual respect are our core values and reflect in all our actions. We are a team of talented professionals from diverse cultural backgrounds, but when it comes to work, we join hands as one unit. We have successfully built lasting relationships with our clients and that's purely because of our personalized and transparent approach.

# Styro

EXPANDED POLYSTYRENE SOLUTIONS





## CLASS A FIRE RETARDANT

### What is Class A Fire Retardant?

It's a great achievement to be the only CLASS A fire retardant EPS manufacturer/supplier in the United Arab Emirates. Our outstanding EPS has been tested according to the International standards (ASTM E84) as per Standard Test Method for Surface Burning Characteristics of Building Materials. The results show that we are truly invested in understanding our clients' needs and working with them to deliver high quality solutions.

[Read More](#)

### ASTM E84

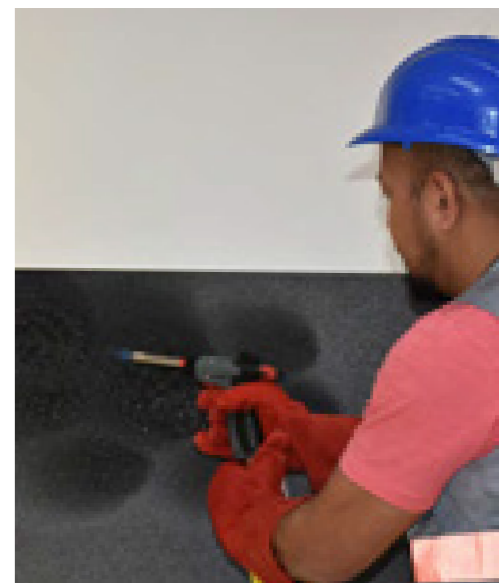
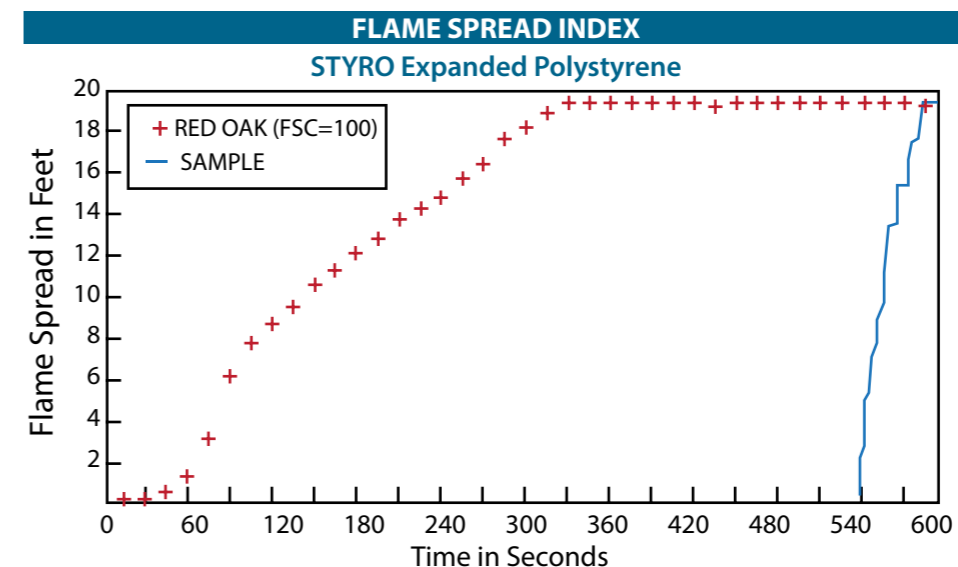
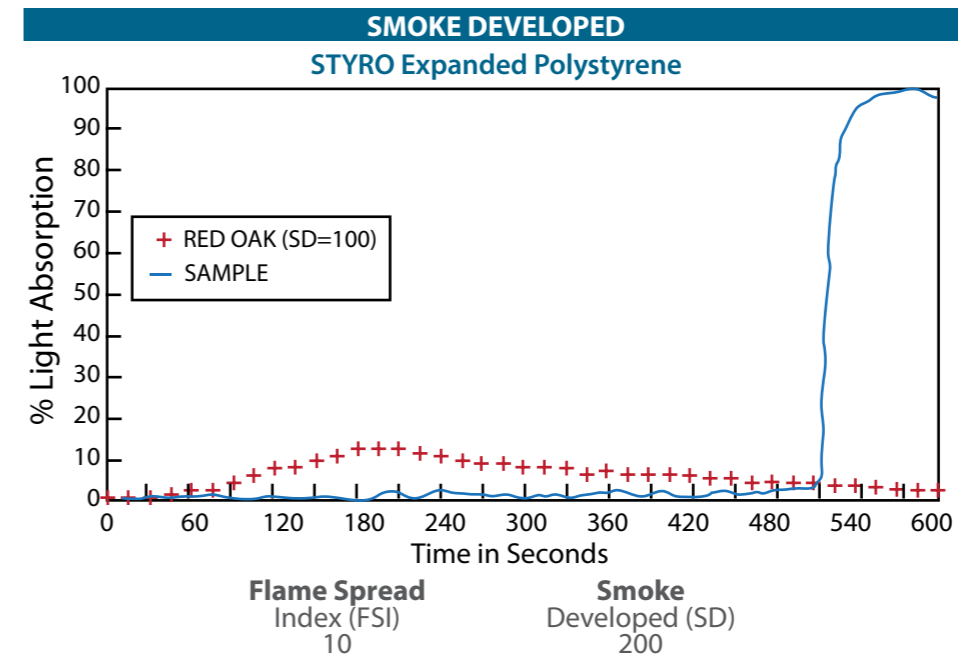
Standard Test Method for Surface Burning Characteristics of Building Materials

Authorities having jurisdiction usually refer to these categories:

	Flame Spread Index	Smoke Development
Class 1 or A	0 - 25	450 Maximum
Class 2 or B	26 - 75	450 Maximum
Class 3 or C	76 - 200	450 Maximum

The burning behavior of STYRO material is CLASS A showing flame spread index FSI 10 and smoke development SD 200.

Sample	Flame Spread Index (FSI)	Smoke Development (SD)
STYRO Expanded Polystyrene	10	200



# GREEN THINKING

## POWERING TOMORROW BY APPLYING GREEN IDEAS

Going green is a commitment that we carry forward as a culture in our organization. In line with the UAE's vision to foster eco-friendly systems as one of the main CSR initiatives, we at STYRO adopt environment friendly methods in manufacturing products and continually look for ideas that can reduce carbon footprint.

In the last 15 years, we have initiated several innovative Expanded Polystyrene solutions for the construction, art and packing industries in the Middle East region. For each kilogram of oil used in the manufacturing of STYRO insulation products, a saving of up to 200 kg of heating or cooling fuel can be achieved over the average life of a house.

Our products can help save a considerable amount of energy. The energy used to produce polystyrene foam insulation for a typical house is regained after only one year through the amount of energy saved. It is also physically and chemically inert. It contains no known biological or physiological irritant, thus it is environment friendly and it also is free from chlorine content.



### Recycling

STYRO is fully committed to recycle Expanded Polystyrene (EPS) and manufacturing waste into other products. Our recycling facilities serve EPS end-users, building and construction sites, and other XPS manufacturers. EPS fused products are chemically neutral. They may be disposed off without any problems. EPS does not react either with ground water or produce any gases when dumped. Due to its lightweight cellular structure it assists the aeration of sanitary landfills and burns completely in refuse incinerators.



### Ozone Friendly

ODP=0 - STYRO EPS Products have a zero ODP (Ozone Depletion Potential) rating and is not noxious. The ODP is the potential for a single molecule of the refrigerant to destroy the ozone layer. The lesser the value of the ODP, the better for the ozone layer and therefore the environment.



### CFC-HCFC Free

All STYRO products are manufactured with eco friendly pentane gas as blowing agent, therefore there is NO usage of any CFCs HCFC or its elements.



### The Advantage of Expanded Polystyrene (EPS)

- EPS is a great example of efficient utilization of natural resources – it contains 95% air.
- It has wide application temperature from – 80°C to + 80°C Max.
- The manufacture and use of EPS does not generate any risk to health or to the environment.
- EPS does not damage the ozone layer since it doesn't use CFCs or HCFCs in the manufacturing process.
- The transformation process consumes little energy and does not generate waste.
- The use of EPS for thermal insulation in the construction industry contributes significant savings on heating and cooling buildings and a drastic reduction in the emission of polluting gases such as CO2 and SO2.
- EPS packaging protects products, helps reduce wastage and its lightweight nature also helps in reducing fuel consumption.
- Fungi and bacteria cannot easily grow on EPS.
- EPS makes up only a tiny part of Municipal Solid Waste (0.1%).
- As it is not biodegradable, EPS does not contaminate the air or water with gases or hydro-soluble substances.
- It is easy to adapt to any product or any design.
- EPS is 100% recyclable.

# DCL CERTIFIED

STYRO passed DCL product conformity certification scheme by Dubai Central Laboratories (DCL) from Dubai Municipality (DM) according to the international standards ASTM C578-14 "Standard specification for cellular rigid polystyrene thermal insulation". The accreditation of DCL as a certification and testing authority provides our customers with confidence and trust - the foundations for sound business partnerships.



# FEATURES OF EXPANDED POLYSTYRENE

CLASS A Fire Retardant	ECO Friendly	Sturdy Base
Cost Effective	Anti Termite	Ship Lapped
Recyclable	CFC, HCFC Free	Lightweight
Sustainable/ Reusable	Endless Design Possibilities	Floating Ability
High Thermal Insulation	High Compressive Strength	Resilient
Shock Absorption	Flexibility	Higher Stability
Fast Production	Non Flammable	Long Lasting
Durability	UV Resistant	Environmentally Safe
Unlimited Applications	EGBC Certified	Rustproof
Non Magnetic	Alkali Proof	Multiple Colors
Chemically Inert	Vapor Tight	Dimensionally Stable
Used in HVAC Industry	Hot Water Insulation	High Temp. Endurance
Corrosion Free	Acoustic Insulation	Load Bearing
Ozone Friendly	Loose Fill	Light Reflection
95% Air	Sculpture Shaping	Easy Fixing
Cooling Efficiency	Energy Saving	Customized

STYRO CERTIFICATES

STYRO FEATURES

# ISO 9001 CERTIFIED

We are proud to have ISO 9001:2008 certification from JAS-ANZ for our Quality Management System (QMS). ISO 9001 series is the most internationally recognized standard to ensure that our products / services consistently meet customer's requirements, and that quality is consistently improved.

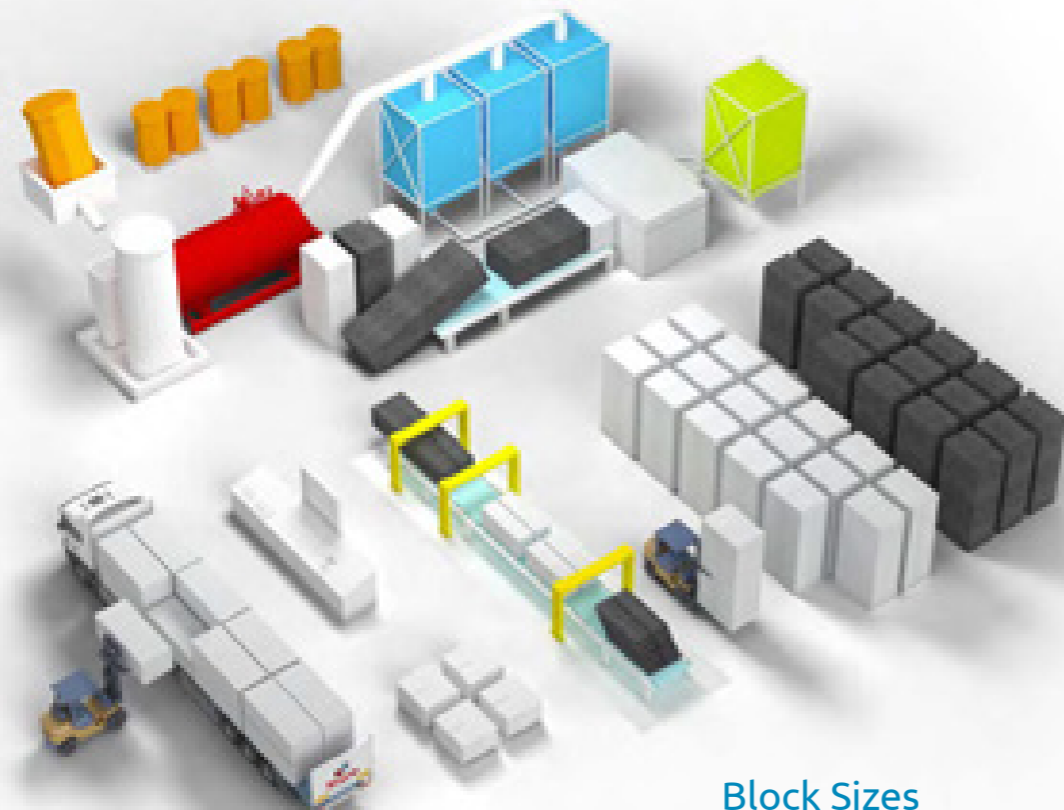
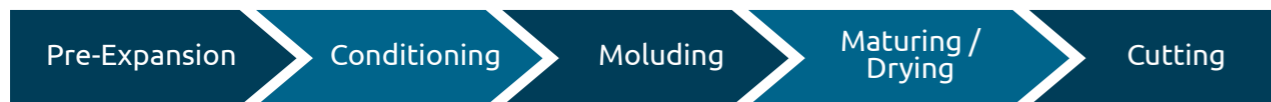


# EXPANDED POLYSTYRENE

## Manufacturing Process

Small spherical granules, which are the byproducts of petroleum and natural gas are subjected to steam, resulting in the softening and expansion of the beads, about forty times of its original volume. The production of EPS comprises a set of complex processing procedures. Every small bead of polystyrene is fully sealed and they come with varying densities from 8-48 Kgs/m<sup>3</sup>. They are produced for various applications where the material is used to optimize its performance and strength.

The manufacturing of Expanded Polystyrene (EPS) goes through the following stages:



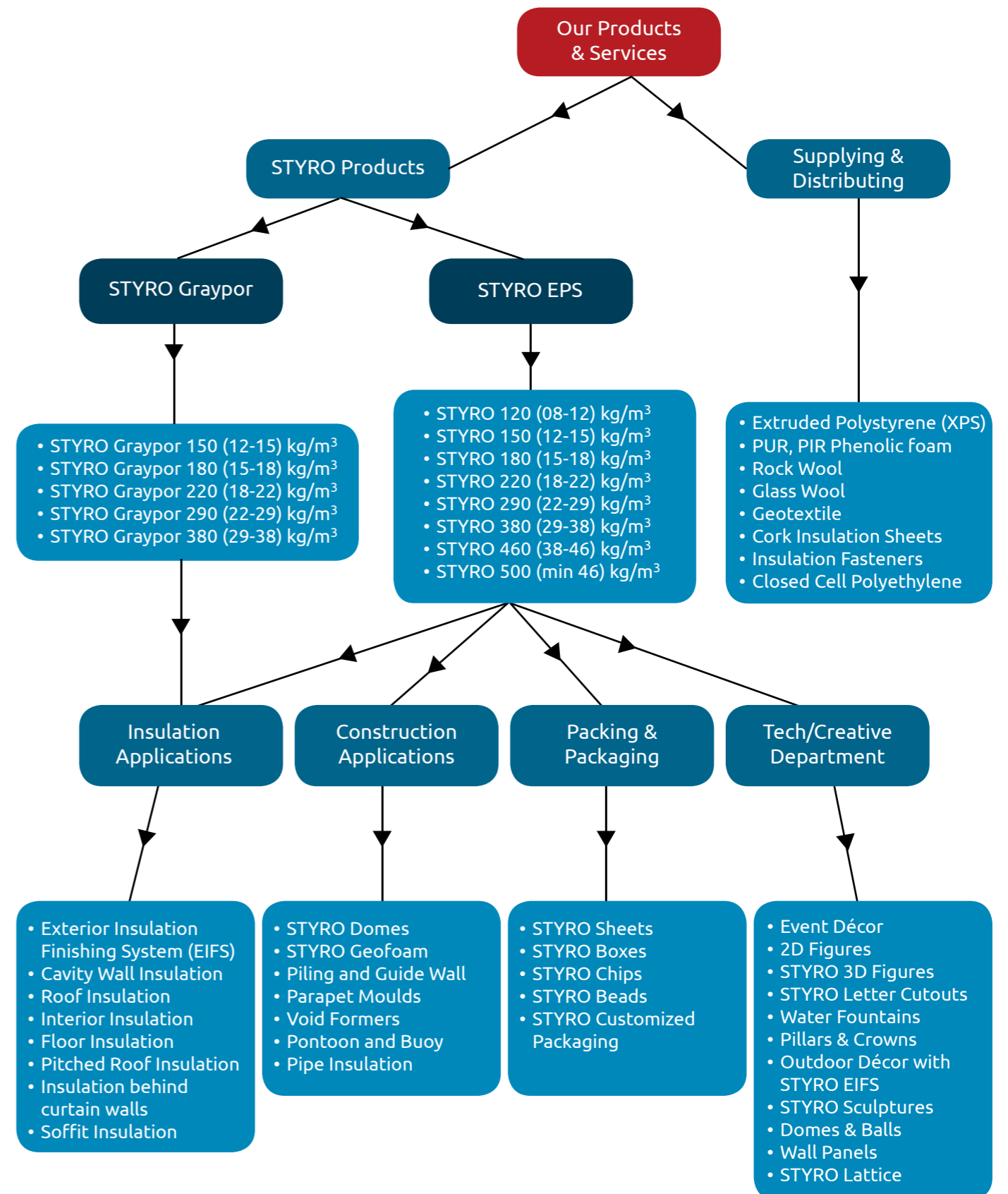
### Block Sizes

- 2000 Lx 1000 W mm
- 3000 Lx1000 W mm
- 3000 L x1200 W mm
- 2500 L x1250 W mm
- 5100 Lx1000 W mm
- 5100 L x1300 W mm
- 6000 L x1200 W mm
- 6000 L x1000 W mm

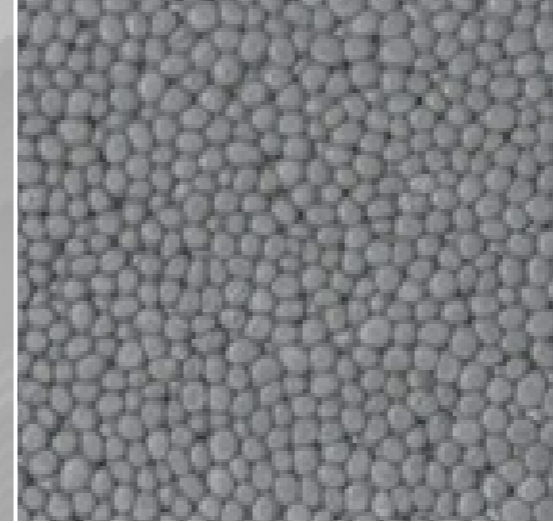
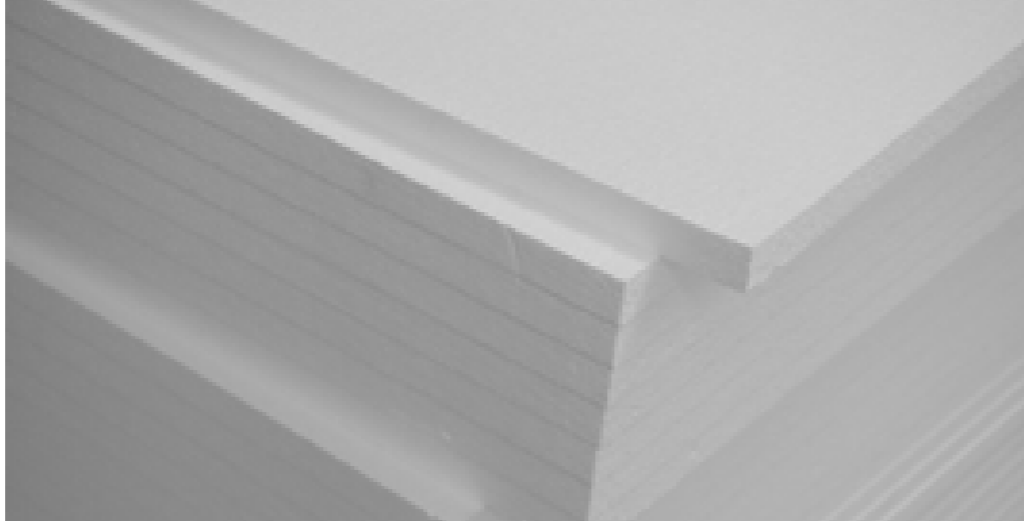
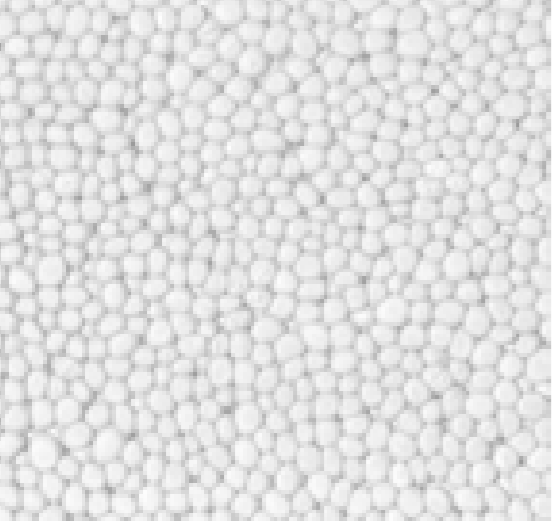
\* Customized sizes are available

[Read More](#)

# STYRO BUSINESS MODEL







## STYRO EPS

Expandable & Expanded Polystyrene (EPS) is a generic term for polystyrene and styrene copolymers. It is a rigid cellular plastic foam material derived from petroleum and natural gas byproducts.

EPS is one of the lightest of all construction materials allowing ease of handling and faster construction times. Its outstanding thermal insulation properties and durability ensure performance throughout the full lifetime of the building/construction application in which it is used.

### STYRO EPS Applications

- STYRO Domes
- STYRO Geofoam
- STYRO Floor Raising
- STYRO for Piling and Guide Wall
- STYRO for Parapet Moulds
- STYRO for Void Formers
- STYRO for Pontoon and Buoy
- STYRO for Pipe Insulation
- STYRO Customized Packaging

[Read More](#)



### Our Product Codes

- STYRO 120 (08-12) kg/m<sup>3</sup>
- STYRO 150 (12-15) kg/m<sup>3</sup>
- STYRO 180 (15-18) kg/m<sup>3</sup>
- STYRO 220 (18-22) kg/m<sup>3</sup>
- STYRO 290 (22-29) kg/m<sup>3</sup>
- STYRO 380 (29-38) kg/m<sup>3</sup>
- STYRO 460 (38-46) kg/m<sup>3</sup>
- STYRO 500 (min 46) kg/m<sup>3</sup>

## STYRO GRAYPOR

STYRO Graypor is an energy efficient, cost effective, innovative, grey colored EPS insulation material introduced by BASF – Germany recently. Its Infrared absorbers and reflectors prevent the heat dissipation caused by radiation. STYRO Graypor has higher insulation values in comparison to white EPS.



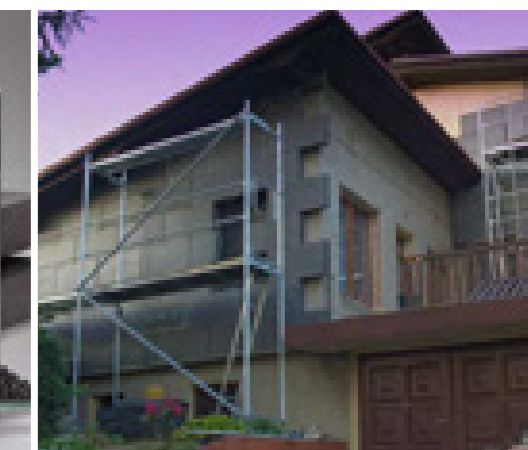
### STYRO Graypor Applications

- Exterior Insulation Finishing System (EIFS)
- Cavity Wall Insulation
- Roof Insulation
- Interior Insulation
- Floor Insulation
- Pitched Roof Insulation
- Insulation Behind Curtain Walls
- Ceiling Insulation

[Read More](#)

### STYRO Graypor Codes

- STYRO Graypor 150 (12-15) kg/m<sup>3</sup>
- STYRO Graypor 180 (15-18) kg/m<sup>3</sup>
- STYRO Graypor 220 (18-22) kg/m<sup>3</sup>
- STYRO Graypor 290 (22-29) kg/m<sup>3</sup>
- STYRO Graypor 380 (29-38) kg/m<sup>3</sup>

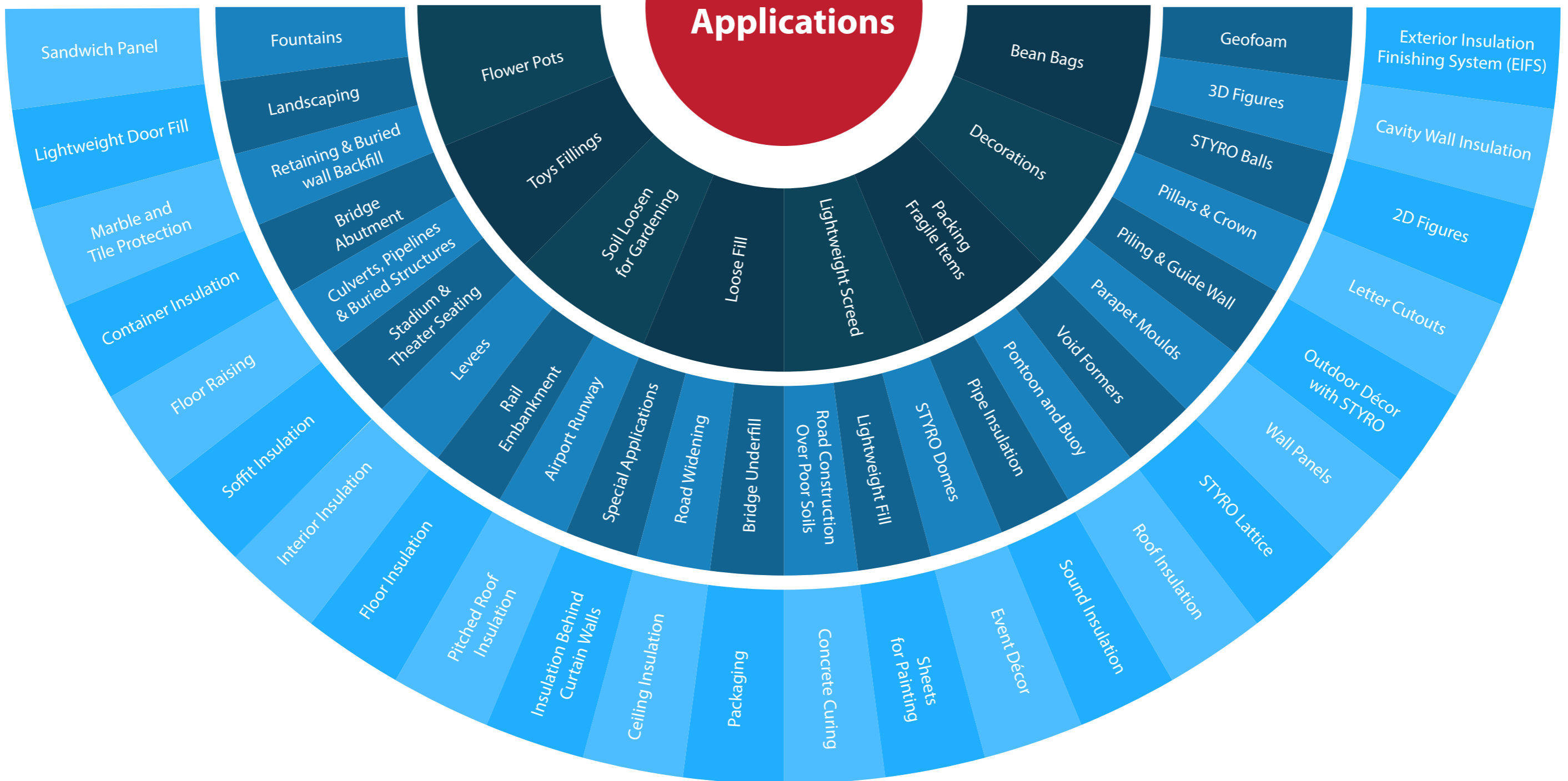


# DID YOU KNOW?

STYRO EPS is the most common product used in our daily lives – be it home, office or industrial field. They are used for various types of construction/insulation purposes. It is also used to safely carry all electronics, glass ware, chemicals and in all packing industries.

EPS plays a key role today when it comes to creating decorative motifs, structures for events or temporary stalls etc. They are extensively used by toy manufacturers, flower shops and while decorating shopping malls.

## STYRO Applications



STYRO FACTS

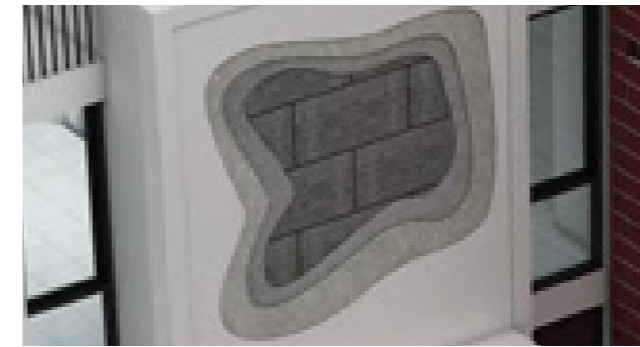
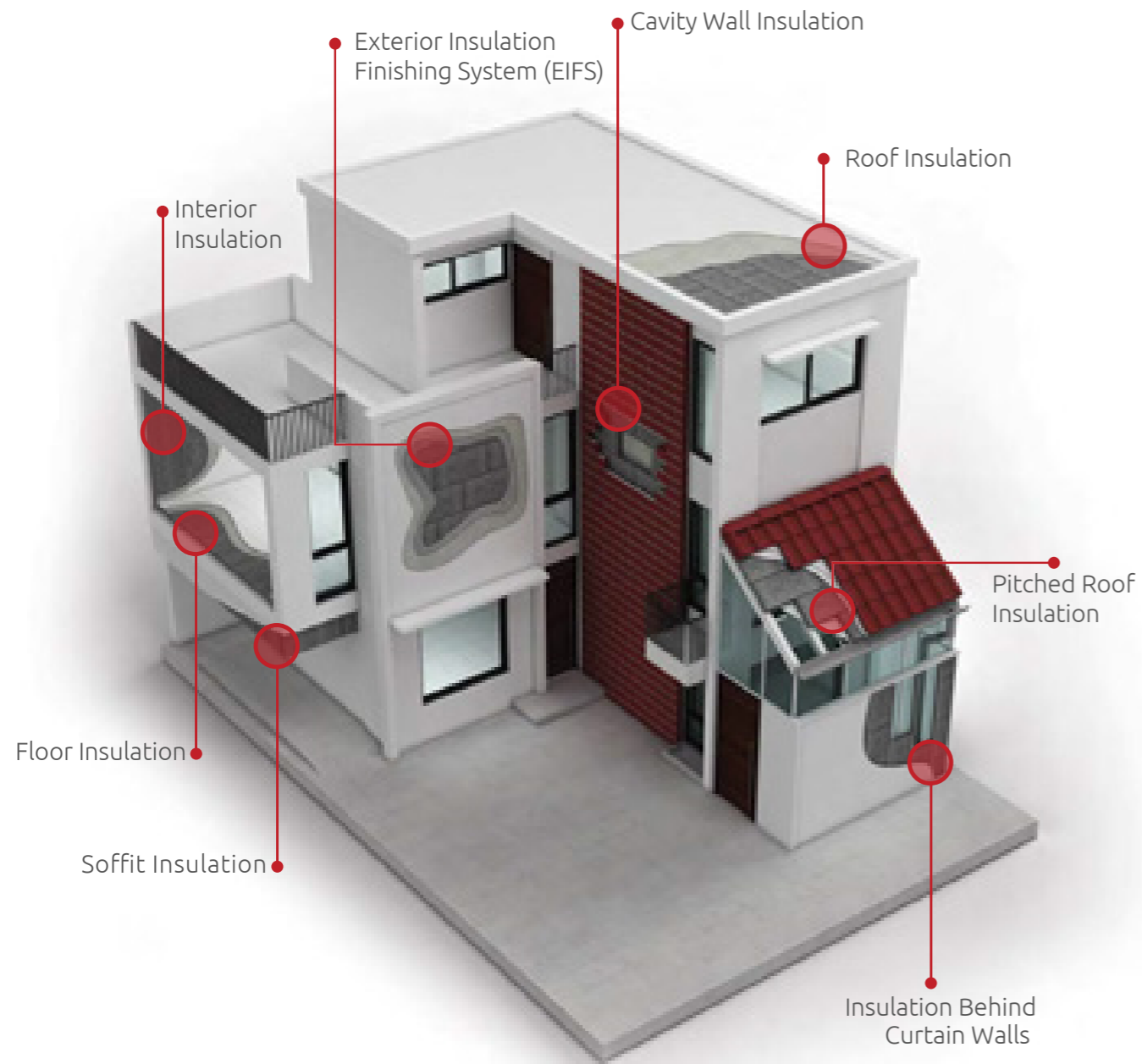
STYRO FACTS

# INSULATION APPLICATIONS

STYRO EPS has incredible properties. Its thermal insulation and durability properties ensure performance throughout the full lifetime of the building/construction applications. EPS is most commonly used in wall insulation, exterior wall insulation and ceiling heat prevention.

STYRO EPS materials are at the fore-front of eco-efficient construction and offer advantages over other materials in terms of cost-effectiveness, preservation of resources and environmental protection.

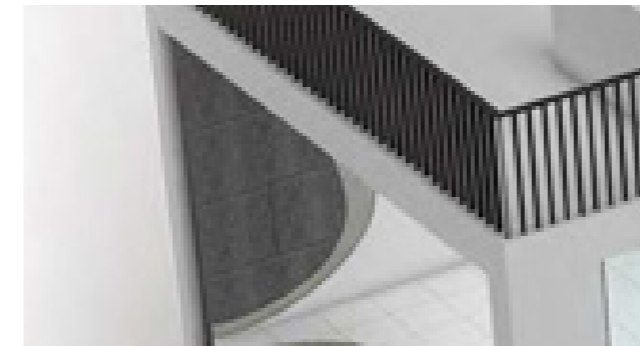
[Read More](#)



**Exterior Insulation Finishing System(EIFS/ETICS)**  
Suggested Product: • STYRO Graypor 180  
• STYRO Graypor 220



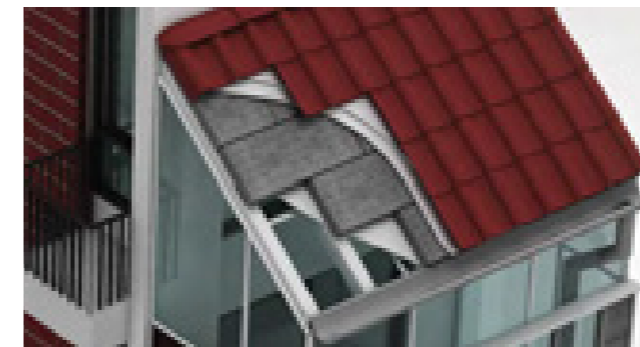
**Roof Insulation**  
Suggested Product: STYRO Graypor 380



**Interior Insulation**  
Suggested Product: STYRO Graypor 180



**Floor Insulation**  
Suggested Product: STYRO Graypor 380



**Pitched Roof Insulation**  
Suggested Product: STYRO Graypor 380



**Insulation Behind Curtain Walls**  
Suggested Product: STYRO Graypor 220



**Soffit Insulation**  
Suggested Product: STYRO Graypor 220



**Cavity Wall Insulation**  
Suggested Product: STYRO Graypor 180



## STYRO EIFS / ETICS

### Exterior Insulation Finishing System

Expanded Polystyrene (EPS) boards are commonly used as a core material for Exterior Insulation Finishing System (EIFS). EIFS is a light-weight synthetic wall cladding that includes EPS insulation and thin synthetic coatings with fiber reinforcement.

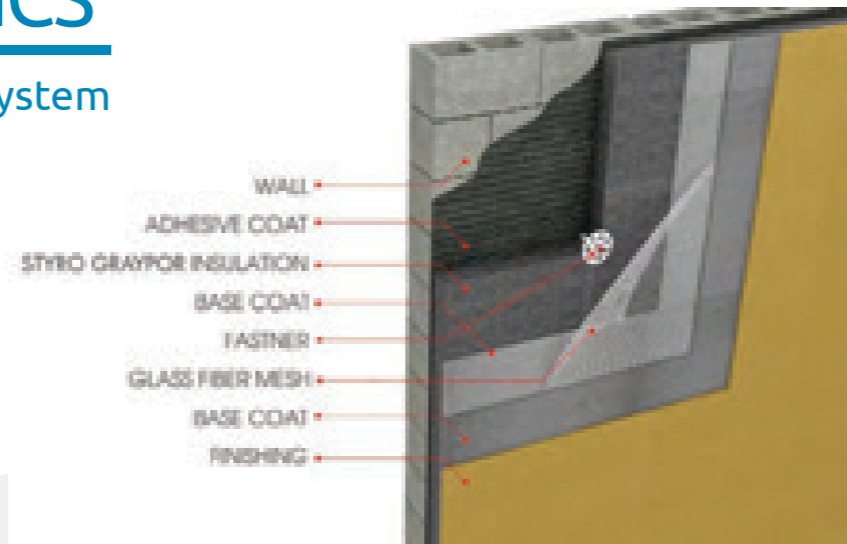
#### Features:

- CLASS A Fire Retardant
- Light in weight
- Good insulator with long term R value
- Stable & easy to apply
- Good dimensional stability
- Good elastic properties
- Prevents cracks due to expansion
- Eco friendly

#### Suggested Products for EIFS:

- STYRO Graypor 180
- STYRO Graypor 220

[Read More](#)



## STYRO FLOOR RAISING

### Lightweight Fill Application

All Civil Engineers, Architects, Contractors and Consultants unilaterally agreed that STYRO Expanded Polystyrene EPS is one of the right choices to use as floor raising & lightweight fill application.

Let it be a Dwelling, Villa, Apartment, Stadium, Cinema Hall, High-rise Building, Swimming Pool, Mall, Showroom, Theme Park or Garden, the construction work can't be completed without having modular lightweight construction fill material i.e. STYRO Expanded Polystyrene (EPS).

#### Features:

- Light-weight
- High Compressive Strength
- Flexible in Design
- Easy to Install
- Cost Effective

#### Recommended Products:

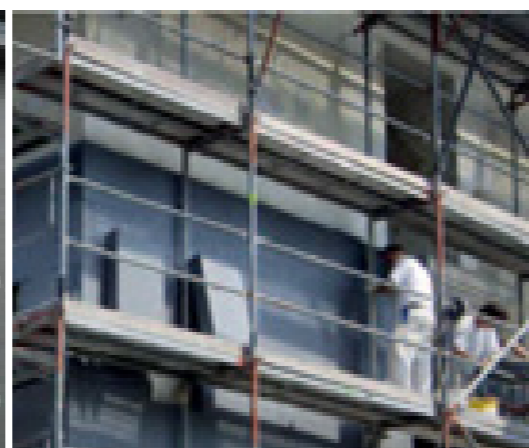
- STYRO 500

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STYRO APPLICATIONS

STYRO APPLICATIONS





# STYRO GEOFOAM

Eco-friendly material which provides an excellent light-weight filling solution to all types of Geotechnical projects. STYRO GEOFOAM is the favorite filling material chosen by Civil Engineers, Architects & Geotechnical experts.

### Features:

- Light-weight
- High Compressive Strength
- Flexible in Design
- Easy to Install
- Fast Construction

### Recommended Products:

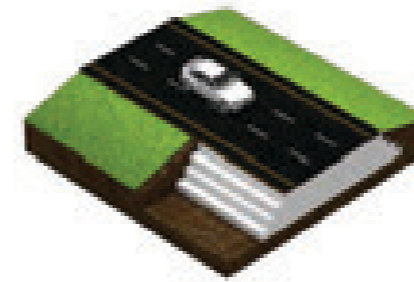
- STYRO 500
- STYRO 460

[Read More](#)

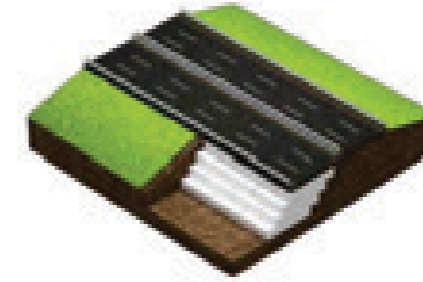
STYRO APPLICATIONS



# GEOFOAM APPLICATIONS



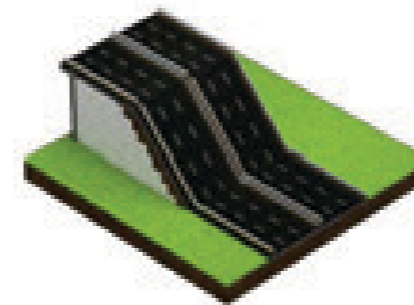
Road Construction Over Poor Soils



Road Widening



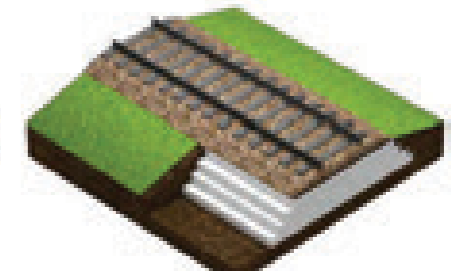
Airport Runway



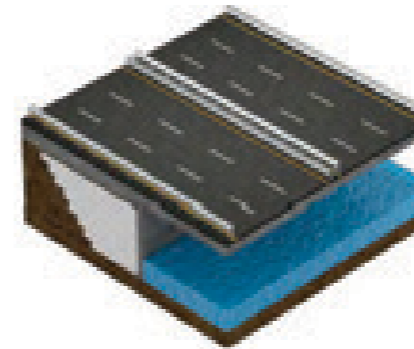
Bridge Underfill



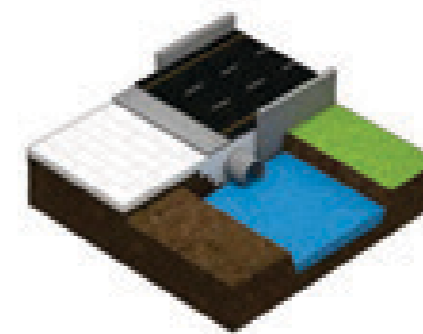
Slope Stabilization



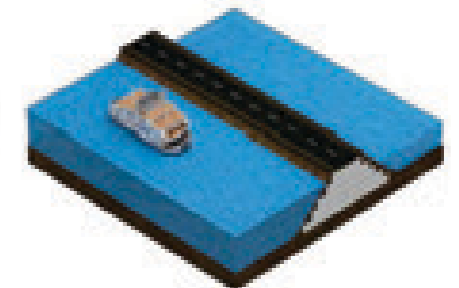
Rail Embankment



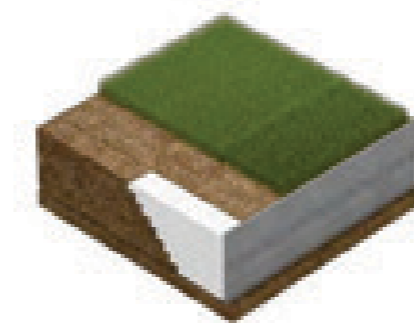
Bridge Abutment



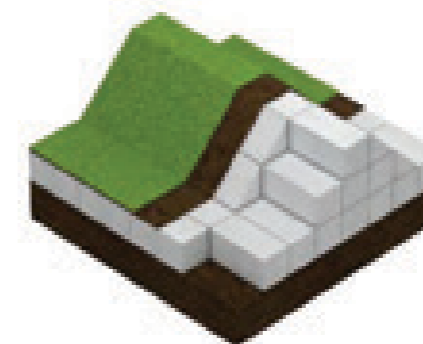
Culverts, Pipelines & Buried Structures



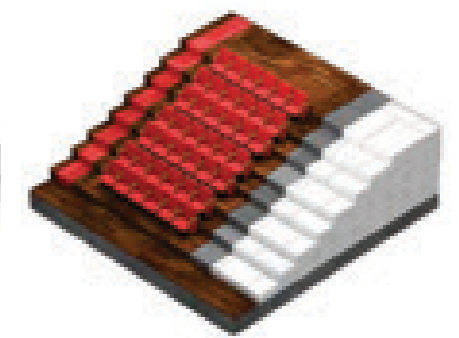
Levees



Retaining & Buried Wall Backfill

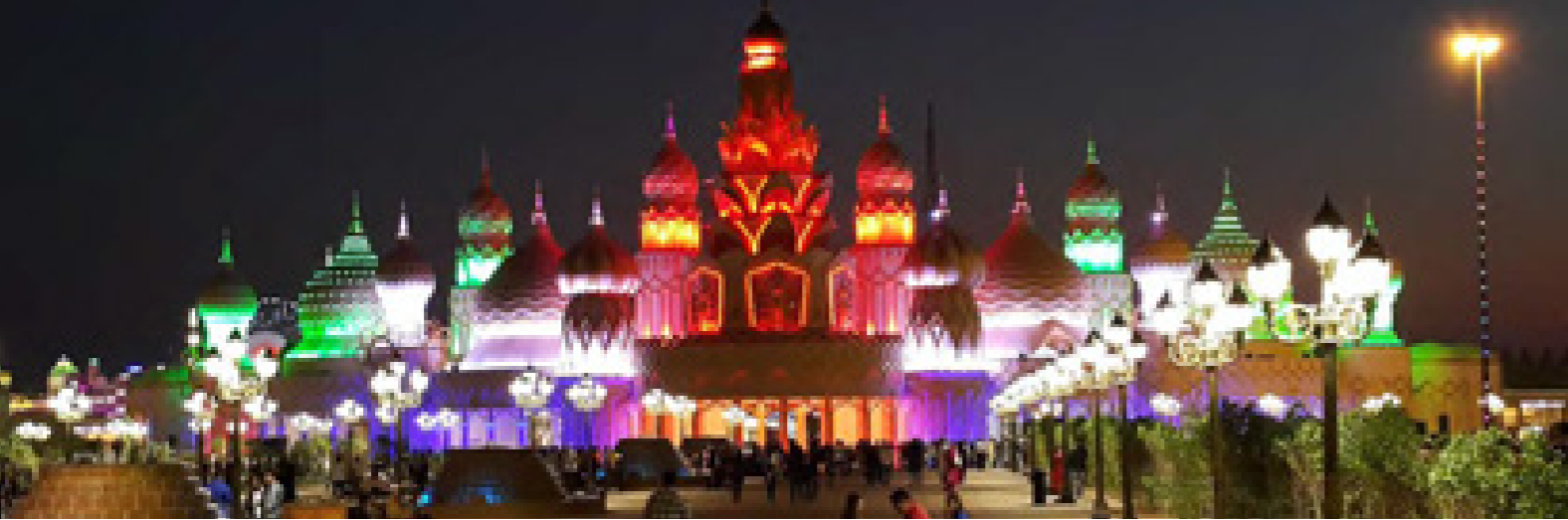


Landscaping & Vegetative Green Roofs



Stadium & Theater Seating

STYRO APPLICATIONS

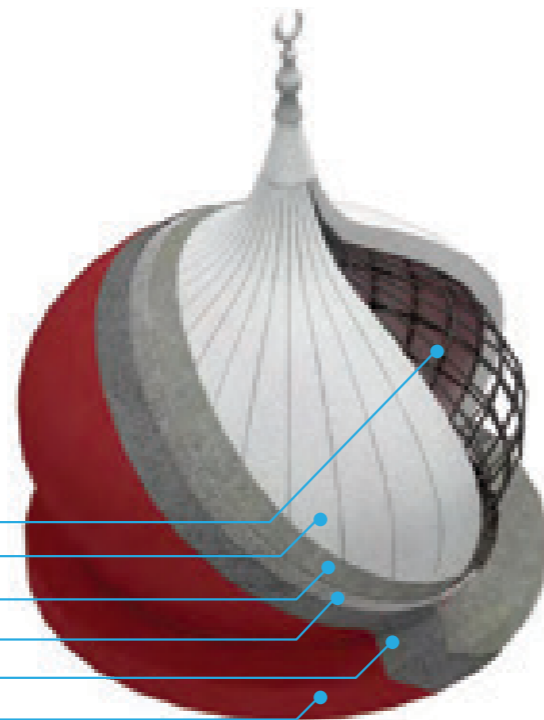


# STYRO DOMES

## with EIFS / ETICS

Exterior Insulation Finishing System

The demand for STYRO Domes is increasing day by day as it is used effectively in a wide range of construction and decoration projects. When choosing STYRO Domes, you are getting a material with built-in features that provides several benefits.



- Steel Structure
- STYRO DOME
- 1st Base Coat
- Fiber Glass Mesh
- 2nd Base Coat
- Primer & Paint Finishing

### Features:

- Self-Insulated
- Easy to Install – Saves Time & Effort
- Cost Effective
- Flexible in Design and Shape
- Class A Fire Retardant
- Eco Friendly
- Lightweight & Durable
- Water & Weatherproof

### Recommended Products:

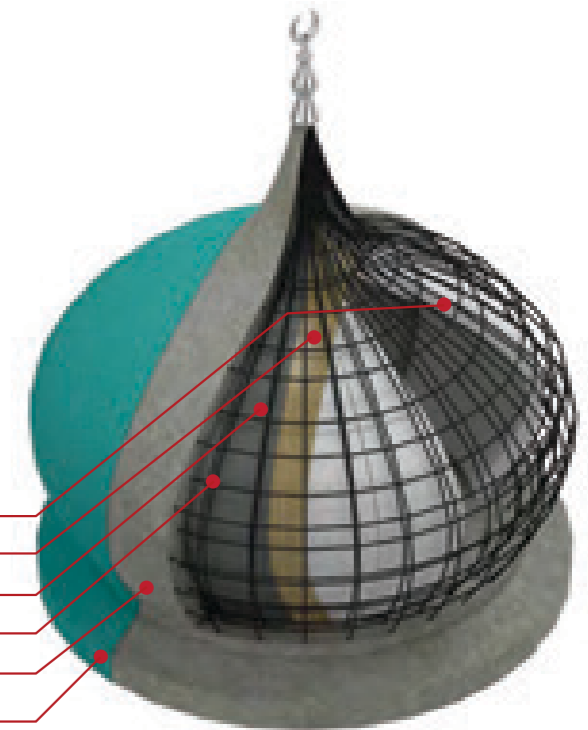
- STYRO 290

[Read More](#)

# STYRO DOMES

## for Concrete Casting

STYRO Dome is used as a mould for concrete casting which became popular in all construction applications across the globe. STYRO Domes can be easily molded into any shape and size, this flexibility makes STYRO products the ideal solution for a wide range of construction and art projects.



- STYRO Dome Mould
- Hard Coat (CPA)
- Epoxy Paint
- Steel Structure
- Concrete Casting
- Primer & Paint Finishing

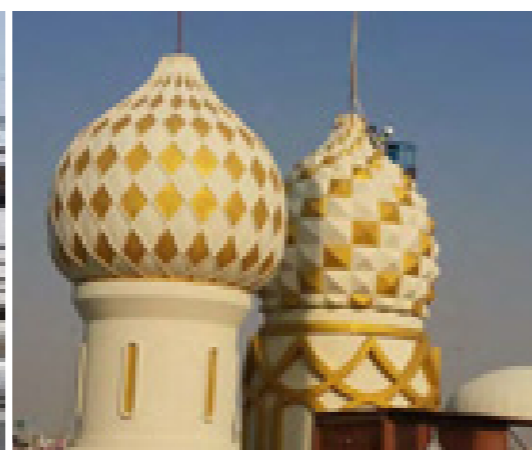
### Features:

- Flexible in Design
- Easy to Install
- Light in Weight
- Cost Effective
- 100% Recyclable
- Environment Friendly
- Easy to Dismantle

### Recommended Products:

- STYRO 290

[Read More](#)



STYRO APPLICATIONS

STYRO APPLICATIONS



# STYRO PILING

## & Guide Walls

STYRO EPS cylinders are used as shore piling and guide walls in the construction industry for loose soil foundation. These cylinders can be made in any size & design using high-tech CAD/CAM cutting machines with good accuracy and consistency.

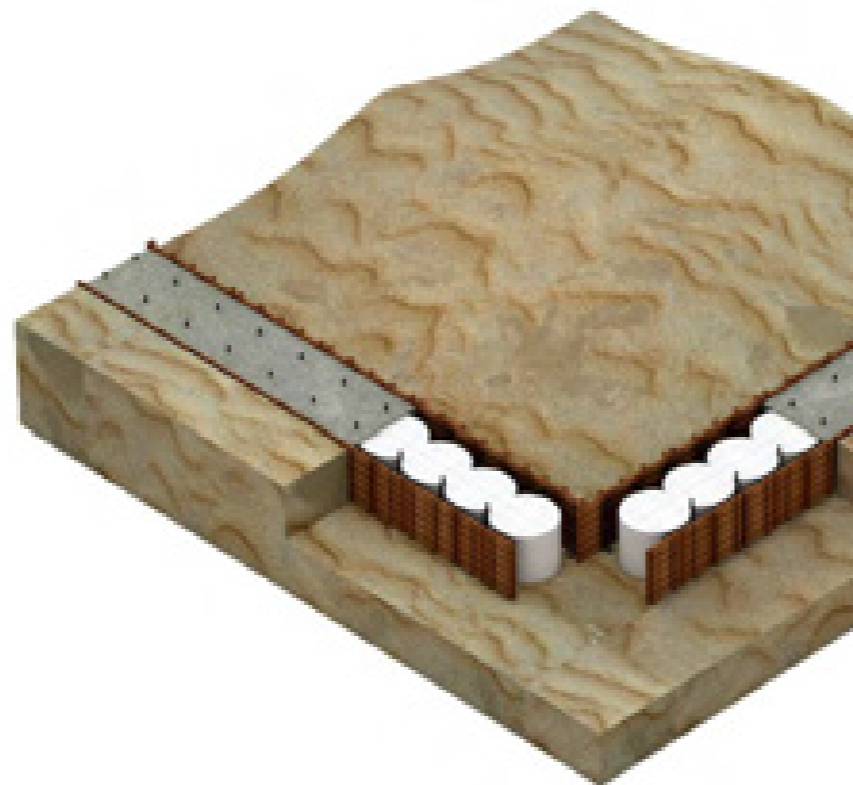
### Features:

- Flexible in Design & Size
- Accuracy & Consistency
- Lightweight
- Low Cost

### Recommended Products:

- STYRO 120
- STYRO 150

[Read More](#)



# STYRO VOID FORMERS

STYRO EPS can be used as void fill to save substantial concrete cost as well as reduce the structural dead load. STYRO EPS can be used as void formers to create void spaces, void shapes and holes through molding concrete to form spacer for cables, plumbing pipes and electrical networks within the bridges, roads and buildings.

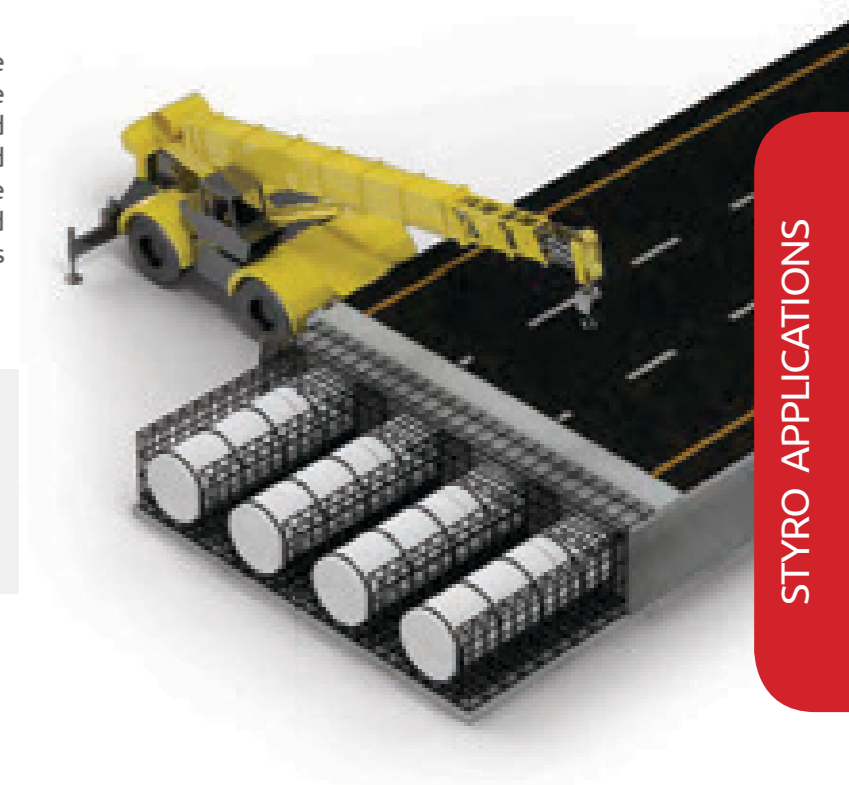
### Features:

- High Compressive Strength
- Workability
- Durability

### Recommended Products:

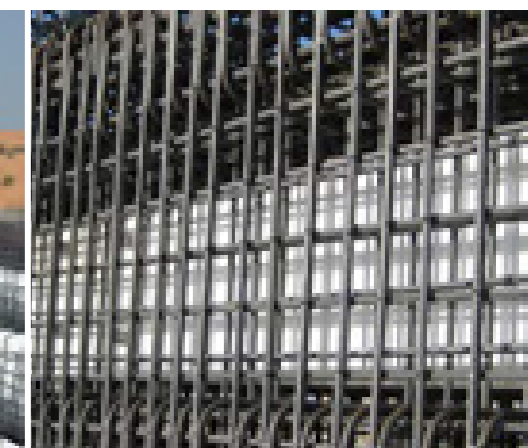
- STYRO 290
- STYRO 380
- STYRO 460
- STYRO 500

[Read More](#)



STYRO APPLICATIONS

STYRO APPLICATIONS





## STYRO PIPE INSULATION

STYRO EPS pipe sections are widely used as an insulating material for utility pipes in food, textile, chemical processing, HVAC and cold stores industries in order to prevent utility piping from huge energy losses due to condensation, conduction & convection factors.

### Features:

- High Thermal Insulation
- Flexible in Designs & Sizes
- Lightweight
- Low Cost

### Recommended Products:

- STYRO 290
- STYRO 380

[Read More](#)



## STYRO PARAPET MOULDS

STYRO EPS parapet moulds replaces the traditional wooden parapet moulds as a cost-effective solution for unique parapet designs. It is cut with high-tech CNC machines with CAD / CAM technology.

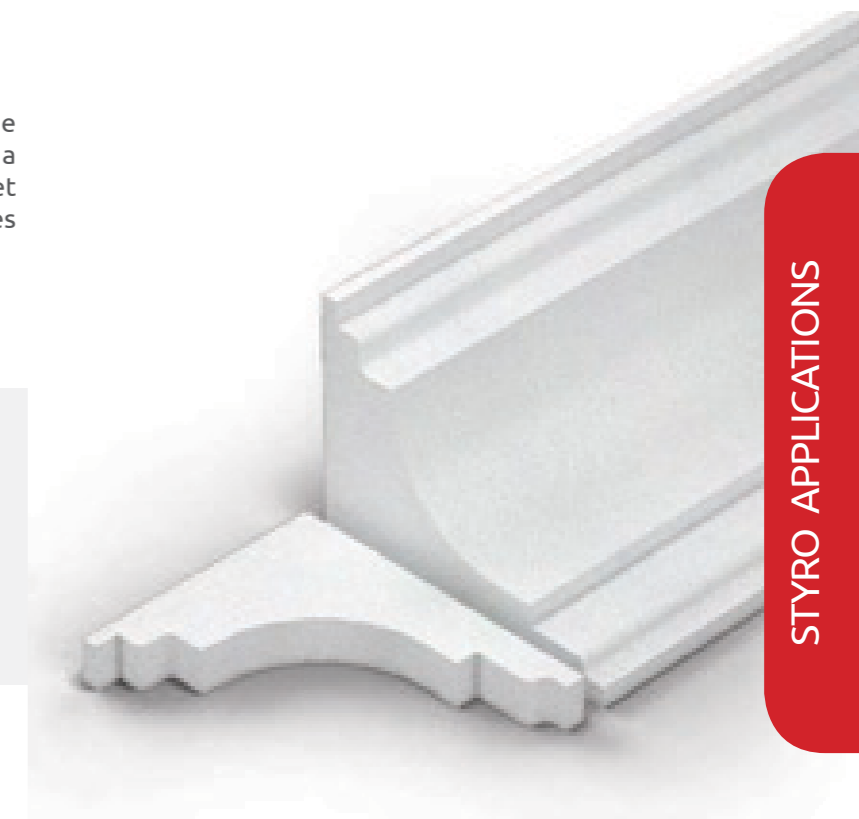
### Features:

- Cost-effective
- Flexible in Design
- Lightweight
- Fast Production
- Saves Forest
- Environment Friendly

### Recommended Products:

- STYRO 150
- STYRO 180

[Read More](#)



STYRO APPLICATIONS

STYRO APPLICATIONS







## STYRO BUOYS & PONTOONS

STYRO EPS is widely used as a core material to manufacture buoys, pontoons and floats as it is light in weight and has excellent buoyancy & resilience properties. Generally, there is no standard design, shape or pattern for buoys, pontoons and floats, rather, it is purely customized based on the nature of the application. If specifications demand, STYRO has the know-how to manufacture the buoys with a variety of core materials, coatings, extra fittings, handling accessories and finishing systems.

### Features:

- Flexible in Designs & Sizes
- Buoyant & Resilient
- Lightweight
- Low Cost
- Salt Water Resistant

### Recommended Products:

- STYRO 290

[Read More](#)



STYRO APPLICATIONS

## STYRO BEADS FOR

### Lightweight Concrete

STYRO EPS Beads are lightweight, white / gray color, fire retardant, pearl shaped, closed cell Expanded Polystyrene (EPS) beads. The diameter of the beads normally ranges from 3 to 12 mm with apparent density of 8-15 Kg/m<sup>3</sup>. STYRO polystyrene beads are also widely consumed by the ready-mix manufacturers for lightweight screed production, which has remarkable characteristics of thermal and acoustic properties used by the construction industries. Normally, EPS beads are mixed with concrete to increase its thermal rating and reduce its weight per cubic meter, which results in significant saving in structural cost.

### Features:

- Cost Saving
- Lightweight
- Excellent Sound & Acoustic Properties
- High Resilience

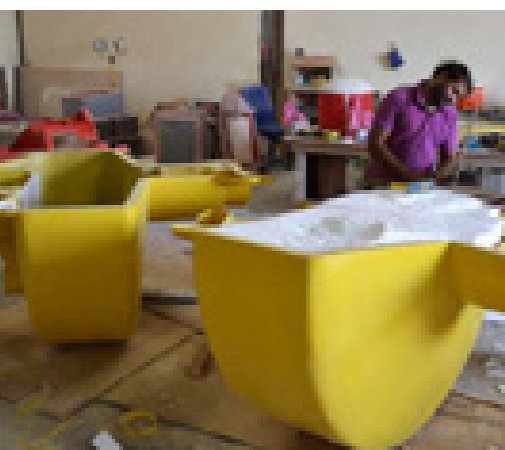
### Recommended Products:

- STYRO 150

[Read More](#)



STYRO APPLICATIONS





## STYRO PACKING SHEETS

STYRO sheet achieves significant transport savings compared to other packaging materials due to its lighter weight, resulting in lower fuel consumption. Its exceptional cushioning and thermal properties result in lower damage rates and maintain a secure cold chain for fragile and temperature sensitive products.

### Standard Size:

EPS sheets can be cut & supplied at any size and thickness, however our standard sizes are as follows:

- 2000 Lx 1000 W mm
- 3000 Lx1000 W mm
- 3000 L x1200 W mm
- 2500 L x1250 W mm
- 5100 Lx1000 W mm
- 5100 L x1300 W mm
- 6000 L x1200 W mm
- 6000 L x1000 W mm

### Standard Thickness:

Possible from 5 mm to 1350 mm. Higher thickness can be achieved by multi-layers bonding.



### Density:

It can be produced from 8-50 Kgs/m<sup>3</sup>, special densities can be produced upon request.

## STYRO BOXES

STYRO Boxes are the best choice to pack and ship perishable goods, fragile items for relocating and protection of delicate electronic and medical equipments. Fresh, frozen foods such as fish, meat, and vegetables should be kept cool and well preserved to maintain their freshness for longer periods of time, regardless of the external environment. STYRO Boxes are used primarily as fish boxes; however, packing fish is not the only use for them. STYRO Boxes make an excellent packing for ice-cream and provide reliable protection for all types of confectionaries such as chocolates, cakes that require protection from extreme temperatures. STYRO Boxes are made in a variety of shapes and sizes to take your items where they need to go fresh in one piece at a reasonable cost.



### Features:

- Easily Stackable
- Light in Weight
- White Color
- Leak-proof
- Shockproof

Capacity (Kg)	Internal Size (mm)	External Size(mm)
Styro Box 60	1320x420x220	1400x500x300
Styro Box 40	940x355x230	1000x405x300
Styro Box 25	560x360x250	620x420x310
Styro Box 15	640x300x180	700x360x250
Styro Box 10	435x260x220	485x310x265
Styro Box 8	435x260x165	485x310x210
Styro Box 5	435x260x112	485x310x155



STYRO PACKING

STYRO PACKING



## STYRO CHIPS

STYRO packing chips are the most convenient forms of packing and packaging for fragile objects, especially gifts or parcels sent via air / sea. The chips form a high resistance pad that envelops the object and therefore protects it from shocks, sudden movements and sudden temperature changes. STYRO packing chips are very light, occupy volume and could be packed in boxes of all sizes and shapes.

STYRO has all kinds of chips according to the customer's choice. STYRO recently introduced Plate type & Cashew type chips to the U.A.E market, these chips are made from special grade European origin raw material ideal for loose fill packaging.

STYRO Chips Standard Sizes:

- 10 x 10 x 10 mm
- 15 x 15 x 15 mm
- 20 x 20 x 20 mm
- 25 x 25 x 25 mm
- Plate type
- Cashew Chips

\* Any special sizes can be supplied



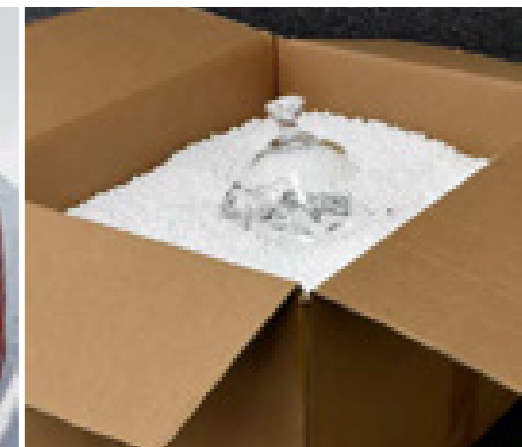
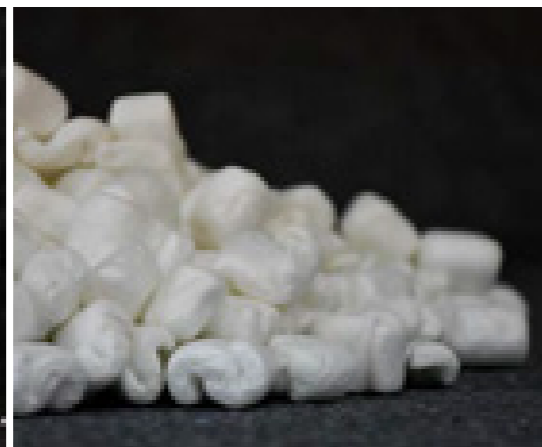
[Read More](#)

## STYRO BEADS

STYRO Beads are lightweight, white color, fire retardant and pearl shaped. The diameter of the beads normally ranges from 3 to 12 mm with apparent density of 8-15 Kg/m<sup>3</sup>.

STYRO Beads are economical & convenient packaging solutions for fragile and breakable items such as glassware, electronics and many more. They are ideal for irregular shaped items and are the best protection for materials in transit. STYRO beads are also used to fill bean bags, pouffes & pillows.

[Read More](#)



# TECHNICAL & CREATIVE DEPARTMENT

Expanded Polystyrene is most commonly used in wall insulation, exterior wall insulation and ceiling heat prevention. But, we at STYRO have gone a step ahead and unleashed the power of EPS in creative applications. It can be used to create stunningly beautiful artistic display structures.

Our team of creative people can help you bring any concept alive with the usage of Expanded Polystyrene. Our exhaustive inventory of high-style wedding and event products make us the leading art & decoration specialist in theme functions, wedding décor and events. By using cutting edge technology of CNC machines and 3D routers, we have harnessed the true potential of Expanded Polystyrene to shape, cut, scoop and profile all the needs of our clients.



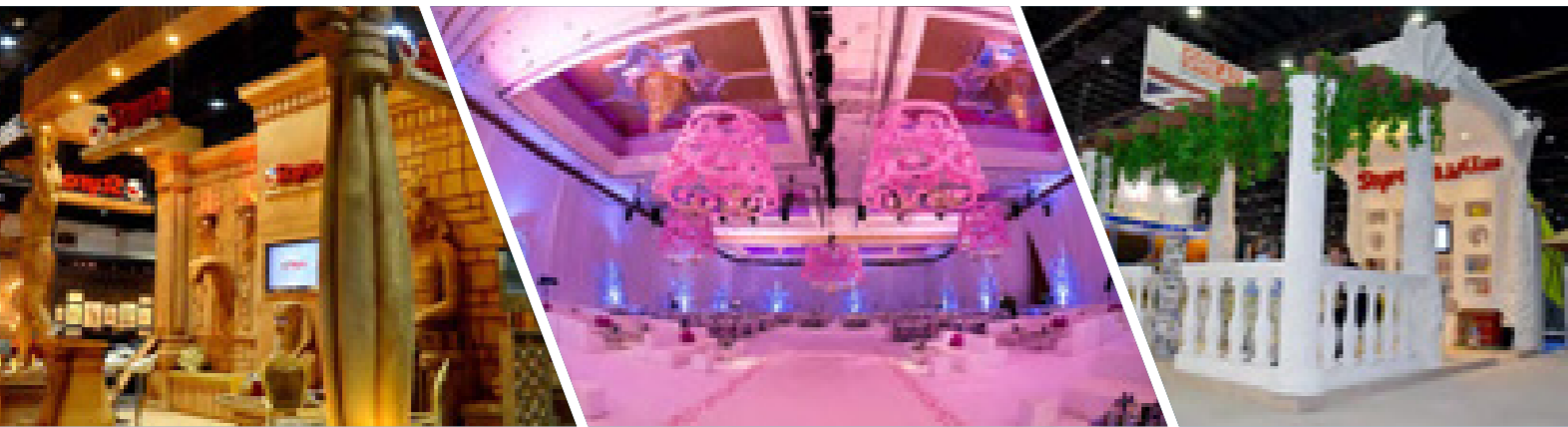
## STYRO 3D FIGURES



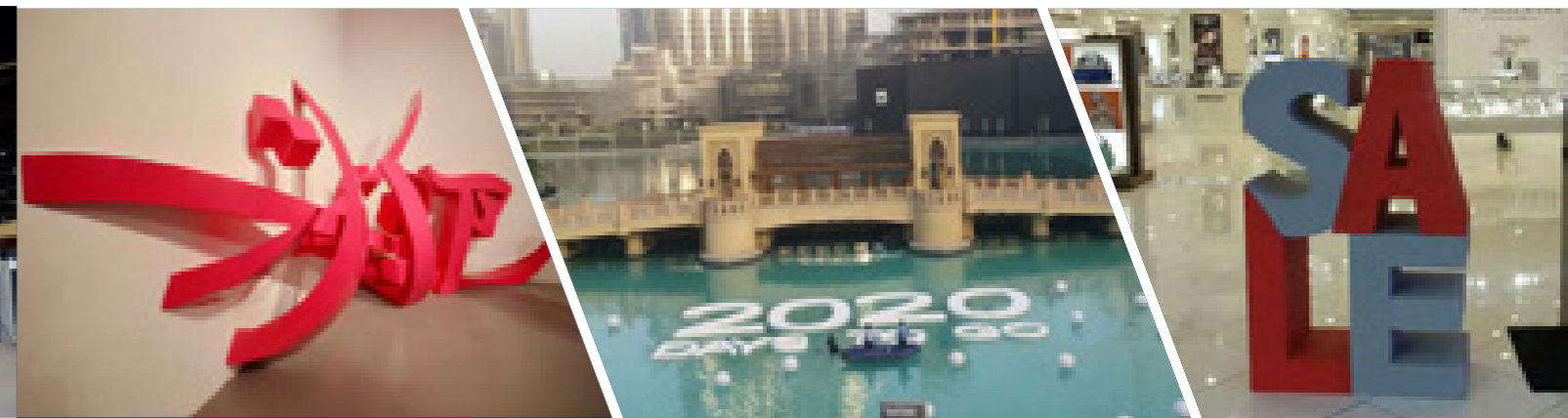
## STYRO OUTDOOR DÉCOR



## INTERIOR DÉCOR



## STYRO BIG LETTER CUTOUTS



## STYRO LATTICE



## STYRO PILLARS & CROWNS



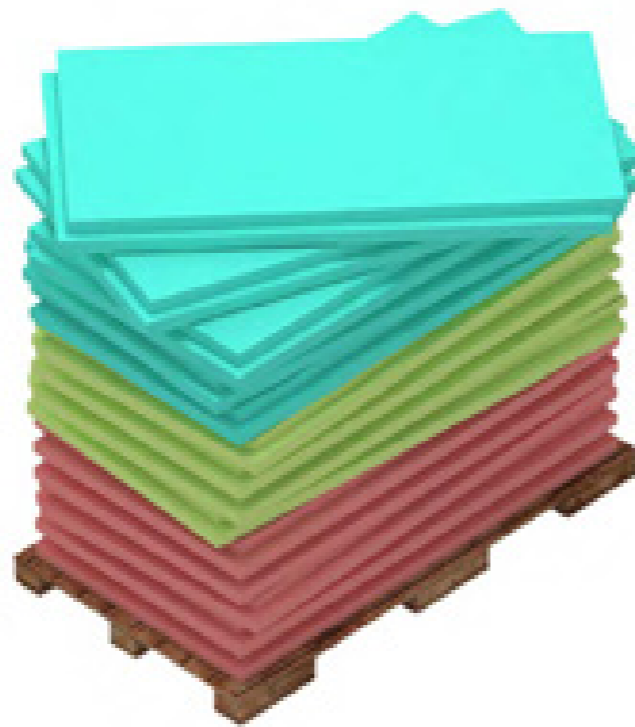


## EXTRUDED POLYSTYRENE (XPS)

Extruded Polystyrene (XPS) boards are exclusively used for insulation of roofs and floors. Extruded Polystyrene rigid foam with special skin is manufactured by a continuous extrusion process which imparts the characteristics of closed cell structure.

### Applications:

- Roof insulation
- Floor insulation



## PUR, PIR PHENOLIC FOAM

### Polyurethane (PUR) Rigid Insulation

Polyurethane (PUR) is the end product of chemical reaction, involving the polymerization of ISOCYANURATES and Polyols. In Polyurethane, higher density means better durability.

### Polyisocyanurate (PIR) Rigid Insulation

Rigid closed cell foam manufactured in similar way to standard Polyurethane, POLYISOCYANURATE has all the characteristics and advantages of rigid Polyurethane foam but offers greatly increased resistance to burning and spread of flame and is able to withstand temperatures up to 140° Celsius.

POLYISOCYANURATE rigid closed cell foam, with a low Thermal Conductivity of 0.023 W/m K at 10° Celsius gives excellent thermal properties and fire properties tested in accordance with ASTM E 84, and BS 476 Part 7, Class 1 rating.

POLYISOCYANURATE RIGID INSULATION is 95% closed cell and provides a long and satisfactory service life.



### Products range based on application :

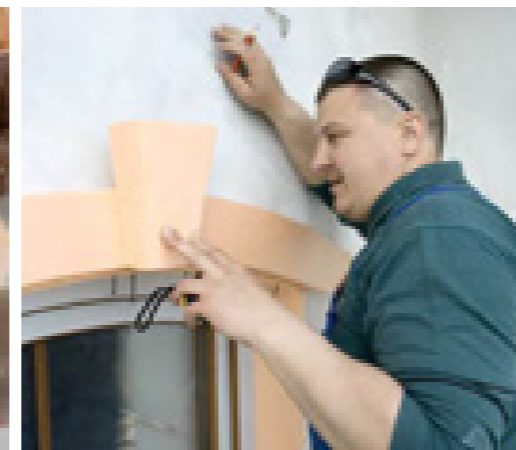
- Slabs
- Pipe Sections
- Pipe Support Inserts / Saddles
- Duct Support Inserts
- Pipe Fittings including Elbows, Tees, Valve, Covers, etc.
- PUR Injection or Spray

## ROCK WOOL

Rock Wool slabs are semi-rigid panels and are manufactured from stable stone fibers bonded with minimum quantity of thermosetting resin binder. Rock wool material is capable of withstanding an extreme temperature up to 750° C. Rock wool is light in weight, strong, resilient, and easy to fill intricate shapes. Rock wool density ranges from 35 to 200 Kgs/m<sup>3</sup>.

### Applications:

- Thermal and acoustic insulation
- High temperature insulation (Burners & Boilers)



## GLASS WOOL

Glass wool slabs are semi-rigid and rigid boards manufactured from stable glass fibers bonded with thermosetting resin. Glass wool is capable of withstanding the extreme temperature encountered in industrial applications or in flat roofing. Easy to cut and suits intricate shapes, lightweight, resilient. Glass wool density ranges from 12 to 120 Kgs/m<sup>3</sup>.

### Applications:

- Cavity fill insulation
- HVAC Insulation
- Metal roof decks
- Industrial applications such as:
  - Ovens & refrigerators
  - Thermal and acoustic insulation in order to reduce the energy losses and transmission of impact sound



## GEOTEXTILE

Geotextile application is a breakthrough in civil engineering. Geotextiles are the most cost-effective materials for all kinds of geotechnical applications. Geotextile products can be utilized in performing functions like separation, filtration, reinforcement, transmissivity, moisture barrier, stress absorption, protection and underlayment.

### Applications:

- Foundation soil & rock
- Road construction & repair
- Roofing system
- Embankment & river banks
- Coastal protection & sand dune protection
- Agriculture & soil erosion



## CORK INSULATION SHEETS

Cork is the bark harvested from Oak tree. Unlike other insulation, cork is natural and truly a renewable resource. Its unique honey comb like cell structure gives remarkable long-term resilience and shock absorption properties;

### Technical specs of cork sheet :

- Standard Size : 1000x500x50 / 25mm
- Application temp : from -200 to +130 degree Celsius
- Density : 100-120 kg/m<sup>3</sup>
- CFC free, HCFC free
- Bio-degradable

### Applications:

- Sound and acoustic insulation
- Vibration dampening
- Floating deck underlay
- Under screed
- Used under machine foundation for shock and vibration absorption
- Cavity wall, floor and ceiling insulation

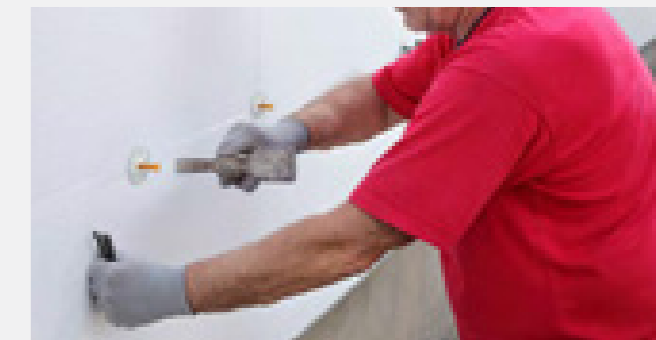
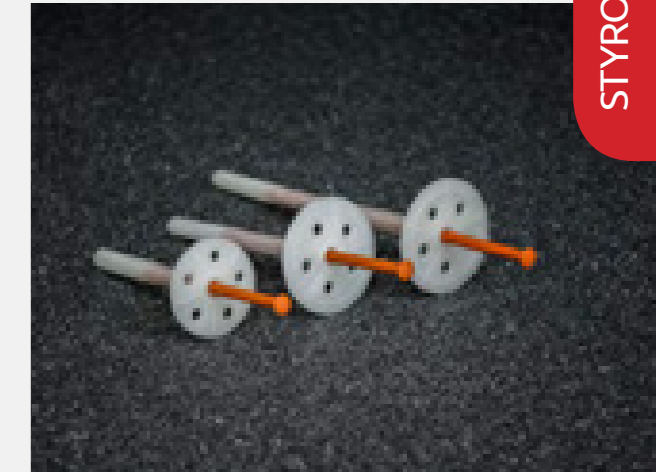


## INSULATION FASTENERS

Plastic fasteners are designed to fasten the insulation fixing systems which are commonly used by the EIFS / ETICS technicians during installation. Unlike conventional fasteners, STYRO plastics fasteners / anchors are user friendly, which saves fixing time and thus saves installation cost. Fasteners are designed to suit all types of insulation materials such as EPS, XPS, PUR / PIR, Rock Wool & Glass Wool.

### Applications:

- Roof insulation
- Ceiling insulation
- Foundation insulation
- Precast concrete systems
- Support for tiles installation
- Highways insulation
- Road insulation
- Insulation under railways
- Airport runways insulation
- Waterproof protection





## CLOSED CELL POLYETHYLENE

### POLYETHYLENE:

PE is a closed cell, flexible, non-cross linked Polyethylene insulation manufactured from low density Polyethylene as a base material.

#### Application:

PE Sheets are used as an Insulation, Expansion joint filler for precast and concrete products used as a foam for upholstery works and also as packaging material.

- Standard thickness : from 5 to 50mm
- Standard size : L 2000 x W 1000mm or special size can be made upon special order.

### PE FOAM ROLLS :

PE foam rolls are available from 1mm to 5mm according to the customer's application.

#### Application:

- Parquet, carpet underlay
- Provides silent step to reduce the noise
- Used as separation layer
- Stops heat / cold from the floor to the carpet

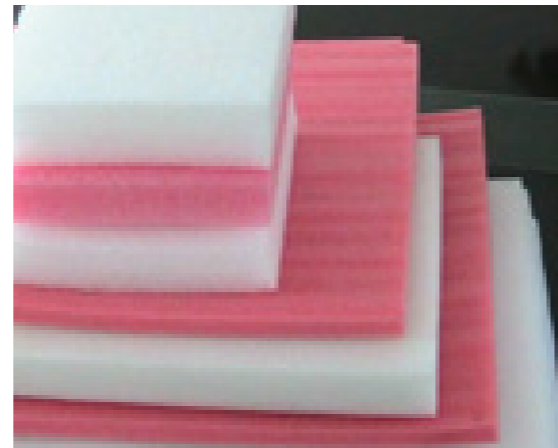
### BACKUP CORD:

PE backup cord comes in coil form with various diameters. It is widely used as an expansion joint by waterproofing companies, noise protection filler for aluminum extrusion, used as filler for decoration purpose. Standard size of coils: from 8 mm to 60mm diameter, coil linear meters depends on the thickness.

#### Salient Features of PE foam

- |                       |                              |
|-----------------------|------------------------------|
| • Resiliency          | • Lightweight                |
| • Cushioning          | • Oil Resistant              |
| • Shock Absorption    | • Thermal Insulation         |
| • Flexibility         | • Sound / Vibration Dampener |
| • Abrasion Resistance | • Wide Temperature Range     |

[Read More](#)



## SSS GLUE

SSS (SUPER STYRO STICK) is a polyurethane based honey like viscous, low volatile, nonsolvent based and water resistant glue. It is specially formulated to bond Expanded Polystyrene products.

#### Application:

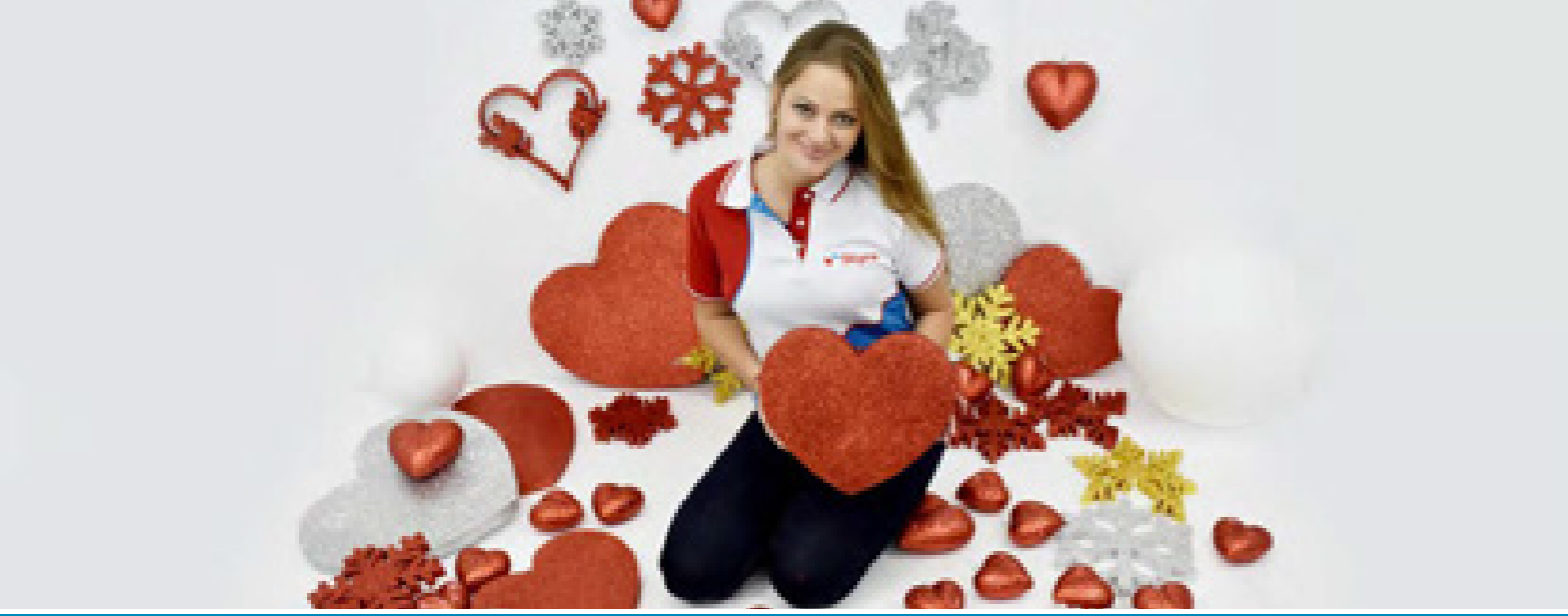
- EPS to EPS
- EPS to any Material
- Steel to Steel
- Steel to Wood
- Wood to Wood
- Wood to EPS
- Steel to Concrete
- Concrete to Wood
- And many more applications...

#### Features:

- Low VOC ( Volatile Organic Compound )
- High bonding strength
- FR Grade  
(Tested as per ASTM E84 standard)

[Read More](#)





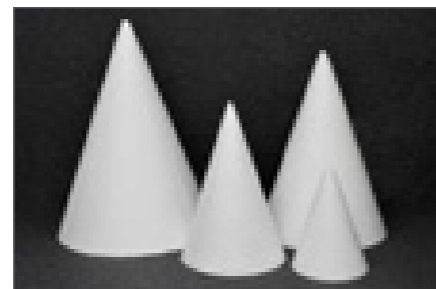
## STYRO RETAIL SHOP

The lightweight nature of Expanded Polystyrene makes it an excellent choice to cut all kinds of shapes and models - they are easy to work with and are known for their long life. We use latest technologies to craft models and a unique finishing system to deliver wonder to our clients. Our exclusive quality assurance team will monitor and work closely to ensure the required standards are met.

Think of any 3D shapes, geometrical structures like cones, pyramids, spheres, etc. regardless of its size, we at STYRO can make it come alive. We understand that different clients have their set of unique requirements and we promise to custom design shapes as per the client needs.



STYRO BALLS



STYRO CONES



STYRO SNOWFLAKES



STYRO DUMMY CAKES



STYRO HEARTS



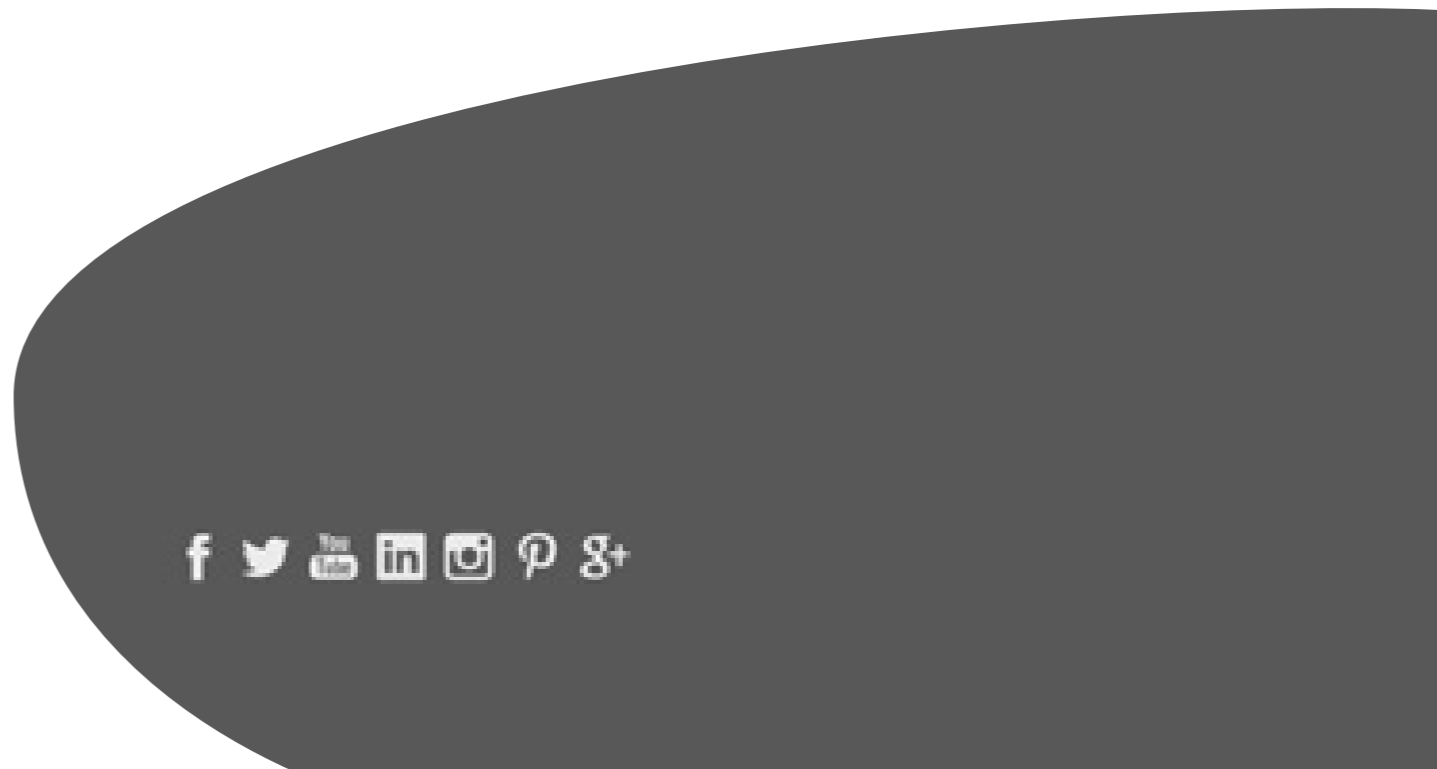
STYRO STARS



STYRO CYLINDERS



STYRO SHEETS









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