

THERMAL INSULATION MATERIALS



**PACKAGING
MATERIALS**

**FLOOR
PRODUCTS**

Manufactures Eco-Friendly Products...



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Sahrayıcedid Mah. Mengi Sk. Mahmut Bey İş Merkezi No:28 D:1 34734 Kadıköy / İSTANBUL

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PROFLEX POLYETHYLENE PREFABRICATED INSULATED PIPE

Proflex insulated are prefabricated polyethylene based pipes with closed-cell structure manufactured using extrusion method. These pipes are used for preventing heat loss in heating installations and heat gain & condensation in cooling installations.

TECHNICAL SPECIFICATIONS

Thermal conductivity coefficient (π) : 0,040 W / mK (40°C)

Density: 25-30 kg./m³

Water vapor diffusion resistance coefficient : $\mu \geq 3500$

Usage Temperature : -40°C ile + 100°C

Fire rating : B1 (DIN 4102)

Color : Gray

Length: 2 m.

- Closed-cell structure.
- Low thermal conductivity coefficient.
- High water vapor diffusion resistance.
- Watertight.
- Flame retardant, self-extinguishing.
- Neutral. No toxic combustion gas release.
- Odor free.
- High impact strength.
- Flexible structure, easy to install.
- Easy to cut.
- Economic.
- Recyclable.
- Absorbs vibration and noise caused by the pressure in the installation.
- HCFC free.

Proflex Polyethylene pipes are manufactured with 1 / 4" -4" nominal diameter range in 10 -15 - 20 mm. wall thicknesses.

Please contact us for other thicknesses and dimensions.



AREAS OF USAGE

Used in thermal insulation of iron, copper and plastic pipes used in warm and cold lines in installations and industrial applications.

Bayındırlık Unit Price Item No.: 241-300



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THEMAL INSULATION

PROFLEX POLYETHYLENE PREFABRICATED FOILED INSULATED PIPE

Proflex prefabricated foiled insulated pipe is extremely resistant to climatic conditions, wind, and rain and especially sun's negative UV effects. Proflex P.E. insulated pipe is an insulation material which can be used outdoors easily without any additional coating thanks its foil coating.

- Closed-cell structure
- Flexible structure, easy to install.
- Water vapor diffusion coefficient is high thanks to its foil coating.
- Manufactured up to 22-28-35-42-48-60 mm diameters.



AREAS OF USAGE

Used in solar energy systems, air - conditioners and cooling installations.

Bayındırlık Unit Price Item No: 241 - 350

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THERMAL INSULATION

PROPHON PARQUET BASE

- Prolongs the parquet life if applied beneath the laminated parquet, protects the parquet against humidity.
- Prevents impact type noises between floors from being transmitted to a lower floor.
- Eliminates floor roughness and screed defects.
- Odor-free material without any corrugation problem.
- One side is used in underfloor heating systems and beneath the parquet as metalized or foiled.
- Manufactured as 2-3-4-5 mm rolls.
- Color: White, other colors available upon request.



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PROFOAM POLYSTYRENE FOAM SHEET

Profoam parquet base hard foams are manufactured from fully recyclable materials with regular closed-cell structure. This product is intended for providing thermal, humidity and acoustic insulation in walls, ceilings, and floorings of all buildings.

TECHNICAL SPECIFICATIONS

Thickness : 3 mm - 5 mm

Size : 80x125 cm

Packaging : 50 m² - 25 m²

Color : Green

Density : 25-30 kg/m³

Surface Type : Smooth

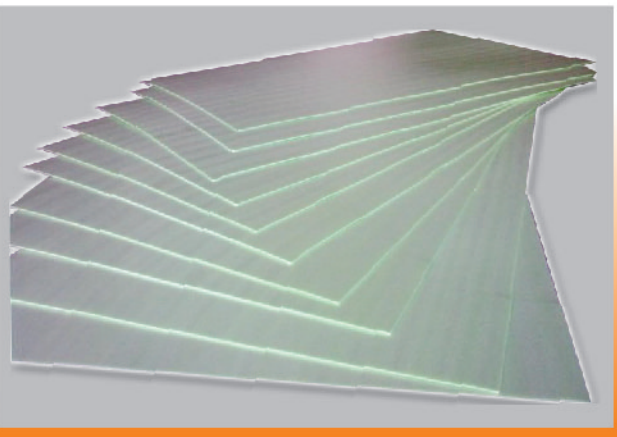
Noise Insulation : 15 db - 16 db

Thermal Conductivity : 0,035 W / mk

Usege Temperature : -60 °C ile +70 °C

Water Vapor Resistance : 750

Compression Strength : 0,1 N/mm²



- Eco-friendly Profoam hard foam are manufactured from recyclable material.
- CFC gas is not used in manufacturing method.
- Apply easily on all kinds of surfaces.
- Make sure that surfaces are level and dry when applying beneath parquets.
- Not easily deformed thanks to its high compressive strength.
- Water repellant thanks to its closed-cell structure.
- Please contact us for other color request.

PROPHON IMPACT & NOISE SUPPRESSANT POLYETHYLENE SHEET

Prophon impact & noise suppressant sheets are polyethylene based impact & noise suppressant materials manufactured as high quality closed-cell structure rolls. Prophon sheets are manufactured as rolls with wall thicknesses of 3-4-5-8-10 mm

TECHNICAL SPECIFICATIONS

Thermal conductivity coefficient (π) : 0,040 W / mK (40°C)
 Density: 25-30kg. / m³
 Noise absorption capacity: 20-23dB; 60-65dB with screed
 Standard Thickness: 3-5-8-10 mm
 Water vapor diffusion resistance coefficient : $\mu \geq 3500$
 Water absorption accuracy: 1.6% of the volume after 28 days
 Color : Gray, White

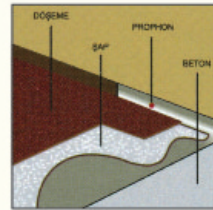
- Eliminates defects and roughness on surfaces screed. such defects will be not transferred to superstructure.
- Ideal material for surface covering applications.
- Eliminates noises such as impacts passing though raw shaft.
- Applied directly beneath the floor covering. Prolongs the life of floor covering. Eliminates the cold caused by the concrete.
- High impact resistance. Preserves insulation properties even under high pressure.
- Vapor impermeable and waterproof thanks to its closed-cell structure.
- Flexible, easy to apply.
- Provides impact & noise insulation between floors since dynamic stiffness is removed.
- Absolutely crack-proof once the screed laid on top dries provided that standard thicknesses are used.
- Protects mirror parquet against humidity.

AREAS OF USAGE

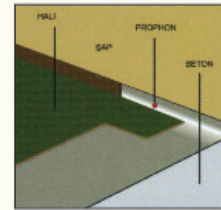
- Prevents the impact type noises especially transmitted between the floors by means of the building itself with surface covering detail (figure 1).
- Coverings such as parquet, carpet, marble, ceramics, vinyl, etc. can be applied on top of the screed (figure 2).

APPLICATION

Spread as grout beneath the screed or floor covering as overlapping and tanking. Make sure that PROPHON impact & noise suppressant sheets are applied reaching the baseboard in order to avoid contact between screed and wall. Typicall 5 cm floating screed is laid on top of the sheet. Noise suppressant capacity of the sheet used beneath the screed is improved with screed.



(Figure 1)



(Figure 2)



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FLOOR

PROFILL POLYETHYLENE BACKING ROD

Profile backing rod is a polyethylene based material with closed-cell structure manufactured using extrusion.

TECHNICAL SPECIFICATIONS

Thermal conductivity coefficient (π) : 0,040 W / mK
Density: 25-30kg. / m³
Water vapor diffusion resistance coefficient : $\mu \geq 3500$
Usage Temperature: -40°C ile + 100°C
Water absorption accuracy is 1.5% of the volume after 28 days
Color : Gray or any color requested

- Non-stick to silicone, mastic and similar materials applied on top and they will work separately inside the joint.
- Flexible and easily compressible.
- Air and watertight.
- Neutral. Odor free.
- Saves on mastic consumption applied to the joint.
- Ensures long-lasting joint filling thank to its time-resistant properties.



APPLICATION

Easy to apply and install. Profile backing rod shall be selected as 30% thicker than the joint width, and inserted in the joint after compression. Top surface may be coated with chemical fillers consisting of materials such as silicone, acrylic, mastic, etc.

AREAS OF USAGE

- As a support for filling chemicals used in insulation of joints and dilatations.
- As a filling materials in wall joints of doors and windows in buildings.

DIAMETERS

Ø 6 mm	Ø 35 mm
Ø 8 mm	Ø 40 mm
Ø 10 mm	Ø 50 mm
Ø 15 mm	Ø 60 mm
Ø 20 mm	Ø 70 mm
Ø 25 mm	Ø 80 mm
Ø 30 mm	Ø 100 mm

*80 and 100 mm diameters are manufactured in 2 m lengths.

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PROFLEX INSULATED SHEET

Polyethylene based high quality sheets with closed-cell structure manufactured using extrusion method. Proflex insulated sheets are manufactured as monoblock 6-8-10 mm rolls as standard . Tape or foil lamination available on P.E. sheets upon request in order to save from workmanship.

TECHNICAL SPECIFICATIONS

Thermal conductivity coefficient (π) : 0,040 W / mK (40°C)

Density: 25-30kg. / m³

Usage Temperature: -40°C ile + 100°C

Water vapor diffusion resistance coefficient : ps:3500

Fire rating : B1 (DIN 4102)

Color : Gray

- Excellent acoustic insulation value.
- Water repellent.
- Flame retardant, self-extinguishing.
- Flexible structure, easy to install.
- Fiber-free and anti-dust structure,
- Economic.
- Free of chloric materials causing corrosion.
- High water vapor diffusion resistance.
Prevents condensation in cooling installations with this feature.
- UV resistant possible with aluminum or metalize coating.
- Can be made self-adhesive allowing 70% savings on installation time and workmanship.
- Neutral. No toxic combustion gas release or odors.
- HCFC free.

AREAS OF USAGE

- Heating, cooling, fan-coil installation and thermal insulation of all installations ranging from -40°C to +100°C,
- Thermal insulation of air-conditioner ducts, ventilation ducts, pipes with large diameters, tanks, reservoirs, valves and flanges,
- As auxiliary material in automotive, shoemaking, etc. industries and camping, mountaineering sports,
- Behind the radiators with single side aluminum foil coating.



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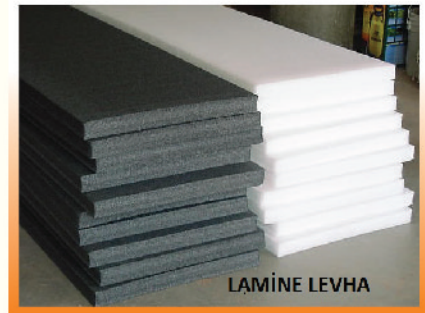
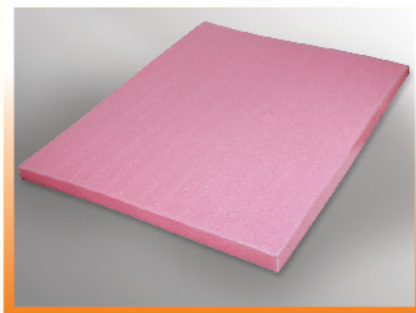
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PROFLEX LAMINATED PLATE

Polyethylene based high quality foam plates with closed-cell structure are manufactured using extrusion method. Various thicknesses can be achieved by thermal lamination of the standard materials manufactured, Available from 15 mm to 100 mm with fixed width of 100 cm. Materials are 100% recyclable. Anti-static capability and non-flammability can be ensured in materials upon customer request.

AREAS OF USAGE

- Automotive Industry
- White Appliances Industry
- Electronics Industry
- Marble & Granite Industry
- Packaging Industry



LAMİNE LEVHA

THERMAL INSULATION

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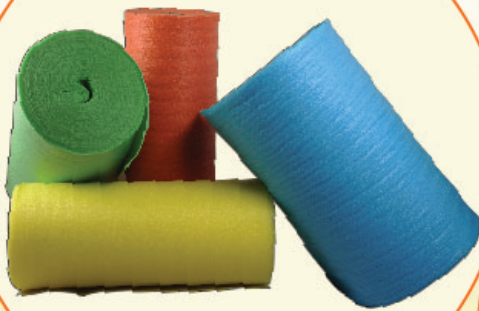
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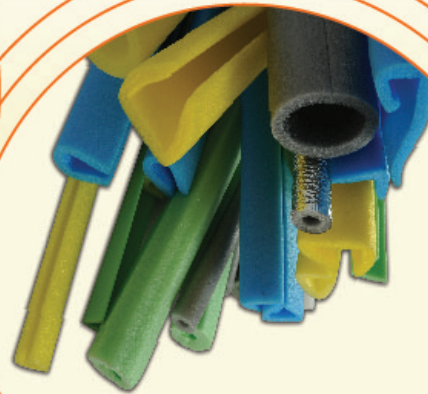
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PROPACK P.E. FOAM PACKAGING MATERIALS

Propack Packaging Sheets



Propack Packaging Profiles



Propack Packaging Design Products



Propack Packaging Bags & Plates

*Your valued items are
Safe with our impeccable packaging products...*

PROPACK PACKAGING SHEETS

Propack packaging sheets are foam materials with closed-cell structure manufactured from low density polyethylene (LDPE) using extrusion method. Available from 1 mm up to 10 mm as monoblock rolls. Manufacturing up to 100 mm wall thickness with thermal insulation is possible upon request. Packaging sheets with 1 mm, 1.5 mm and 2 mm thickness can be manufactured with a maximum width of 250 cm, and packaging sheets with 3 mm, 4 mm and 5 mm thickness can be manufactured with a maximum width of 200 cm. Propack packaging sheets can be sliced in any requested sizes.

TECHNICAL SPECIFICATIONS

- 100% recyclable eco-friendly product.
- Free of ozone depleting gases (CFC, HCFC).
- Free of the five materials (Sn, Cd, Hg, Cr VI, PBB/PBDE) prohibited from usage under 2002/95/EC RoHS directive.
- Manufactured at optimum density depending on usage (25-30 kg/m³)
- Keeps away external factors such as water, humidity, dust and oil thanks to its closed-cell structure.
- Resistant to chemicals.
- Hygienic, prevents bacteria growth.
- Temperature resistance is from -40°C to +100°C.
- Absorbs mechanical impacts thanks to its closed-cell structure.

ADVANTAGES

- 100% recyclable eco-friendly product.
- Easy to cut & reshape. Integrates with the product & provides excellent protection thanks to its flexible structure.
- Lightweight.
- Economic.
- High impact resistance.
- Available in any requested color.
- Reusable many times.
- HDPE film lamination available.
- Liquid impermeable.
- Multi-purpose usage in various industries.

AREAS OF USAGE

- | | | |
|--------------------|------------------------------|----------------------|
| • Furniture | • Electronics | • Automotive |
| • White Appliances | • Illumination | • Ceramics |
| • Glass Industry | • Metal Industry | • Kitchen & Bathroom |
| • Construction | • Bags | • Shoes |
| • Textile | • Camping and Mountaineering | • Life Jackets |



PROPACK PACKAGING BAGS & PLATES

Propack packaging bags and plates are foam materials with closed-cell structure manufactured from low density polyethylene (LDPE) using extrusion method. Polyethylene bags are custom manufactured based on product lengths. HDPE lamination is available to make the polyethylene product more durable. Cutting in any requested size is available in plates.

TECHNICAL SPECIFICATIONS

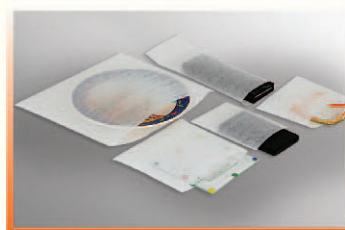
- 100% recyclable eco-friendly product.
- Free of ozone depleting gases (CFC, HCFC).
- Free of the five materials (Sn, Cd, Hg, Cr VI, PBB/PBDE) prohibited from usage under 2002/95/EC RoHS directive.
- Manufactured at optimum density depending on usage (25-30 kg/m³)
- Keeps away external factors such as water, humidity, dust and oil thanks to its closed-cell structure.
- Resistant to chemicals.
- Hygienic, prevents bacteria growth.
- Temperature resistance is from -40°C to +100°C.
- Absorbs mechanical impacts thanks to its closed-cell structure.

ADVANTAGES

- 100% recyclable eco-friendly product.
- Easy to cut & reshape. Integrates with the product & provides excellent protection thanks to its flexible structure.
- Lightweight.
- Economic.
- High impact resistance.
- Reusable many times.
- HDPE film lamination available.
- Liquid impermeable.
- Multi-purpose usage in various industries.

AREAS OF USAGE

- | | | |
|--------------------|------------------------------|----------------------|
| • Furniture | • Electronics | • Automotive |
| • White Appliances | • Illumination | • Ceramics |
| • Glass Industry | • Metal Industry | • Kitchen & Bathroom |
| • Construction | • Bags | • Shoes |
| • Textile | • Camping and Mountaineering | • Life Jackets |



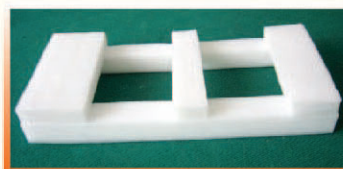
PROPACK CUSTOM DESIGNS

Manufactured from low density polyethylene foam against shocks inside the primary packaging, package displacements or all kinds of external impacts in order to minimize the damage to your products.

Anti-static capability can be ensured upon request.

AREAS OF USAGE

- | | |
|--------------------|------------------|
| • White Appliances | • Life Jackets |
| • Glass Industry | • Generators |
| • Automotive | • Metal Industry |
| • Electronics | |



PROPACK PACKAGING PROFILES

Propack packaging profiles are foam materials with closed-cell structure manufactured from low density polyethylene (LDPE) using extrusion method. Available in various shapes and sizes. Antistatic and anti-dust.

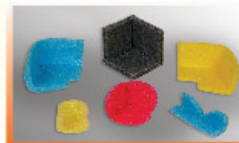
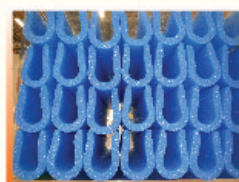
TECHNICAL SPECIFICATIONS

- 100% recyclable eco-friendly product.
- Free of ozone depleting gases (CFC, HCFC).
- Free of the five materials (Sn, Cd, Hg, Cr VI, PBB/PBDE) prohibited from usage under 2002/95/EC RoHS directive.
- Manufactured at optimum density depending on usage (25-30 kg/m³).
- Keeps away external factors such as water, humidity, dust and oil thanks to its closed-cell structure.
- Resistant to chemicals.
- Hygienic, prevents bacteria growth.
- Temperature resistance is from -40°C to +100°C.
- Absorbs mechanical impacts thanks to its closed-cell structure.

ADVANTAGES

- 100% recyclable and eco-friendly product.
- Easy to cut & reshape. Integrates with the product & provides excellent protection thanks to its flexible structure.
- Lightweight.
- Economic.
- High impact resistance.
- Reusable many times.
- Prevents impacts which may occur during abrasion and the cracks, defects and scratches caused by such impacts.
- Liquid impermeable.
- Multi-purpose usage in various industries.

* Please contact us for other profiles and sizes.



Profile Name	Size	Areas of Usage
Glass Profile (80 m Coil)	15 x 25	-Vehicle Glass -Window Glass -Fine Surface Metal Items
	18 x 35	
	25 x 35	
	30 x 40	
U Profile (2 m Length)	U 18	-Furniture -Automotive -Electronics -White Appliances
	U 25	
	U 30	
	U 36	
	U 40	
	U 50	
	U 60	
	U 70	
L Profile (2 m Length)	U 80	-Bathroom -Furniture -Electronics -White Appliances -Doors
	U 100	
	U 135	
	L 3	
	L 4	
	L 5	
C Profile (2 m Length)	L 6	-Furniture -White Appliances -Chair Leg
	L 7	
	L 10	
	C 25	
O Profile (2 m Length)	10	-Bicycle -Chair Leg -Playgrounds -Automotive
	15	
	18	
	40	
	45	
	50	
	60	
J Profile (2,1 m Length)	70	-Steel Door Industry
	J 8	
Elbow Bracket Profile (any requested size)	J 15	-Bathroom -Furniture -White Appliances
	U	
	L	
	C	

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PROFUN POOL NOODLES

Profun pool noodle is a polyethylene based material with closed-cell structure manufactured using extrusion method. Manufactured in 4 main colors (Blue, Yellow, Green and Pink), these pool noodles are intended to be used in pools and sea. Please contact us for other color requests.

AREAS OF USAGE

- Designed as a product to float the children and adults who don't know how to swim.
- Used in floristry and baby room decorations.



PROFUN POOL FLOATS

A product manufactures for anyone who likes to experience the comfort of floating on water in sea or pools without making any effort.



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PROFUN KICKBOARD

Profun kickboard is an ideal accessory for having fun at sea and pools. Manufactured from 100% recyclable material with perforated profiles in rainbow colors. Can be used for many long years thanks to its water-repellent durable structure.

SIZES

- Profun Small : 45 x 32 cm
- Profun Medium : 60 x 40 cm
- Profun Large : 90 x 40 cm



PROFUN SEAT CUSHION

Manufactured from low density polyethylene foam as an ideal material for various purposes in many fields. Available in team colors.

AREAS OF USAGE

- You can sit on in stadiums and concert halls,
- Kneel on while changing tires,
- Kneel on while gardening.

Size: 35x32 cm.



OUR PRODUCTS

INSULATION & FLOOR



Proflex Insulated Pipe



Proflex Foiled Pipe



Tapes



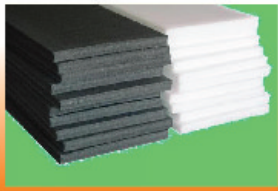
Proflex Insulated Sheet



ProPhon Adhesive Sheet



Proflex Foiled Sheet



Proflex Laminated Sheet



Profill Backing Rod



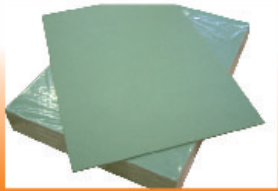
Profix Liquid Adhesive



ProPhon Impact Noise Suppressing Sheet



ProPhon Parquet Base Sheet



Profoam Parquet Base Rigid Foam



Fireproof Acoustic



Bondex



Pyramid Foams

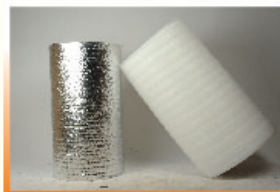
PACKAGING & SEASONAL PRODUCTS



P.E. Packaging Plate



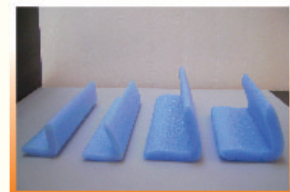
P.E. Packaging Bag



Proco Packaging Sheet



U Profile



L Profile



C Profile



Glass Profile



J Steel Door Profile



O Profile



U Elbow Bracket



L Elbow Bracket



Designer Brackets



Pool and Sea Products



Seating Cushions



Shelf Liners