

## Building efficient saver



## Sepehr Foam | Thermal insulations

Sepehr Polymer Espadana Company, one of the **SGP** subsidiaries of started production of different types of polyethylene foams under the brand name of "Sepehr Foam" in 2006. Capable of manufacturing more than 10,000 tons of products including polyethylene EPE and Cross-Linked XPE extruded polystyrene foams, the company has a lion share in the country and in the Middle East. Being fabricated according to the international standards and supported by the SGP high-tech polymer laboratory, the products of this company are supplied to the both domestic and foreign markets in various industries such as construction, automotive, sports, gas and petrochemicals, packaging, home appliances and so on.

## ■ Technical specifications

Polyethylene foams are produced in the thicknesses of 0.5 to 35 mm in the form of sheets and in the thicknesses of 40 to 120 mm in the shape of mats. These insulators are capable of being laminated with a variety of aluminum foils, metalized coat, polymer films and PVC. The product is also available in the sizes of 2 to 3.8 inches in the form of pipe foams.

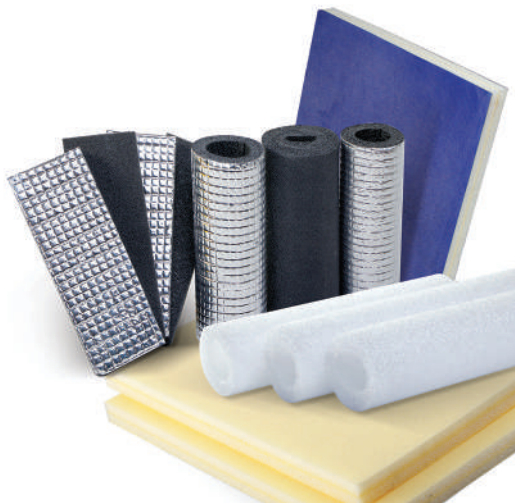
### EPE technical specifications:

Density (ASTM D3575-W)	25 Kg/m <sup>3</sup>
Compression set (ASTM D3575-B)	29 %
Thermal conductivity coefficient (ASTM c335)	0.035 W/m° K
Water absorption (ASTM D3575-L)	0.107 Kg/m <sup>2</sup>
Tensile strength (ASTM D412)	0.2 MPa
Linear expansion (ASTM D412)	75 %
Thermal tolerance	70 °c

## ■ Polyethylene cross-linked XPE foams

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The product is also available in the sizes of 2 to 3.8 inches in the form of pipe foams.



### EPE Foam (Pipe)



Colour	Package Size (m)	Size (mm)	Code
White	100	12	13012
White	100	16	13016
White	100	20	13020
White	100	25	13025
White	100	32	13032
White	50	40	13040
White	50	50	13050
White	50	63	13063
Blue	100	16	14016
Blue	100	20	14020
Red	100	16	15016
Red	100	20	15020

### EPE Foam (Roll)



Colour	Width (mm)	Package Size (m)	Thickness (mm)	Code
Plain	1	50	10	33110
Plain	1	25	20	33120
Plain	1	25	30	33130
Metallized coating	1	50	10	33410
Metallized coating	1	25	20	33420
Metallized coating	1	25	30	33430
Aluminum coated	1	50	10	33610
Aluminum coated	1	25	20	33620
Aluminum coated	1	25	30	33630
plain -Yellow	1	25	20	36120

### XPE Roll Foam

Code	Thickness (mm)	Package Size(m)	width (m)	Type
81030	10	50	1	Plain
82030	20	25	1	Plain
83030	30	25	1	Plain



( density: 30 Kg/m<sup>3</sup> )

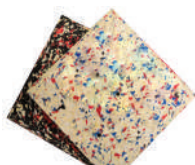
### Coated XPE Foam (Roll)

Code	Thickness (mm)	Package Size(m)	width (m)	Type
91030	10	50	1	Metallized coating
91031	10	50	1	Aluminum coated
92030	20	25	1	Metallized coating
92031	20	25	1	Aluminum coated
93030	30	25	1	Metallized coating
93031	30	25	1	Aluminum coated



### XPE Foam (Rebound)

Code	Thickness (mm)	Dimensions (m)
18920	20	1 x 1
18930	30	1 x 1
18940	40	1 x 1
18950	50	1 x 1



## XPE Foam (Pipe) - 10 mm



Code	Size (mm)	Package Size (m)	Type
60116	16	100	Plain
60120	20	100	Plain
60125	25	100	Plain
60132	32	100	Plain
60140	40	50	Plain
60150	50	50	Plain
60163	63	50	Plain
60175	75	50	Plain
60190	90	50	Plain
60195	110	50	Plain
60416	16	100	Aluminum coated
60420	20	100	Aluminum coated
60425	25	100	Aluminum coated
60432	32	100	Aluminum coated
60440	40	50	Aluminum coated
60450	50	50	Aluminum coated
60463	63	50	Aluminum coated
60475	75	50	Aluminum coated
60490	90	50	Aluminum coated
60495	110	50	Aluminum coated
60716	16	100	Metallized coating
60720	20	100	Metallized coating
60725	25	100	Metallized coating
60732	32	100	Metallized coating
60740	40	50	Metallized coating
60750	50	50	Metallized coating
60763	63	50	Metallized coating
60775	75	50	Metallized coating
60790	90	50	Metallized coating
60795	110	50	Metallized coating

## XPE Foam (Pipe) - 13 mm

Code	Size (mm)	Package Size (m)	Type
60216	16	100	Plain
60220	20	100	Plain
60225	25	100	Plain
60232	32	100	Plain
60240	40	50	Plain
60250	50	50	Plain
60263	63	50	Plain
60275	75	50	Plain
60290	90	50	Plain
60295	110	50	Plain
60516	16	100	Aluminum coated
60520	20	100	Aluminum coated
60525	25	100	Aluminum coated
60532	32	100	Aluminum coated
60540	40	50	Aluminum coated
60550	50	50	Aluminum coated
60563	63	50	Aluminum coated
60575	75	50	Aluminum coated
60590	90	50	Aluminum coated
60595	110	50	Aluminum coated
60816	16	100	Metallized coating
60820	20	100	Metallized coating
60825	25	100	Metallized coating
60832	32	100	Metallized coating
60840	40	50	Metallized coating
60850	50	50	Metallized coating
60863	63	50	Metallized coating
60875	75	50	Metallized coating
60890	90	50	Metallized coating
60895	110	50	Metallized coating



## XPE Foam (Pipe)- 20 mm

Code	Size (mm)	Package Size (m)	Type
60316	16	100	Plain
60320	20	100	Plain
60325	25	100	Plain
60332	32	100	Plain
60340	40	50	Plain
60350	50	50	Plain
60363	63	50	Plain
60375	75	50	Plain
60390	90	50	Plain
60395	110	50	Plain
60616	16	100	Aluminum coated
60620	20	100	Aluminum coated
60625	25	100	Aluminum coated
60632	32	100	Aluminum coated
60640	40	50	Aluminum coated
60650	50	50	Aluminum coated
60663	63	50	Aluminum coated
60675	75	50	Aluminum coated
60690	90	50	Aluminum coated
60695	110	50	Aluminum coated
60916	16	100	Metallized coating
60920	20	100	Metallized coating
60925	25	100	Metallized coating
60932	32	100	Metallized coating
60940	40	50	Metallized coating
60950	50	50	Metallized coating
60963	63	50	Metallized coating
60975	75	50	Metallized coating
60990	90	50	Metallized coating
60995	110	50	Metallized coating









## Batis | Gypsum boards and ceiling tiles

Behin Sazan No-Andish Sepahan Factory, known as the second large gypsum board producer in Iran, is located in Garmsar industrial zone. Its annual capacity of production amounts to 10 million square meters in its very first phase. The factory manufactures its products according to international Standard EN520, under the brand name BATIS.

## ■ Gypsum boards

These are gypsum cored boards, the surfaces and edges of which are covered with a special firm kind of paper. They are generally used in dry construction systems (such as separator walls, covering treatment walls and dropped ceilings).

### Technical specifications

- Two regular (RG) and moisture resistant (MR) Types.
- Dimensions 2400 x 1200 mm.
- Thickness 9.5 and 12.5 mm.
- Produced in compliance with international standard EN520.

### Features

- Easy installation.
- Sound, temperature and moisture insulated.
- Capable of being painted or wallpapered immediately after installation.
- Lightening the buildings.

### Usages

- Dropped ceilings.
- Separating walls.
- Interior walls of the building.
- Prefabricated buildings.
- Alternative to traditional whitewashing.

## ■ Light steel sections (structures)

Structures play an important role in strength and longevity of integrated roofs and separating walls. Battis structures are produced from light galvanized steel sheets with U-L-F shaped sections through cold rolling method and out of the best galvanized sheets found in the country.

## ■ Sealant powder

Batis sealant is used for sealing gypsum coated plates. the putty is applied as a thin layer of 1 to 2 mm thickness and forms a reinforced and strong structure.

## ■ Ceiling tiles

Patterned gypsum tiles are applied mostly in movable, closed and decorative ceilings. Those with PVC coating are produced and offered to the market in 7 different designs and in two types: plain backed and aluminum backed tiles, the latter of which are used in places where there is a possibility of water spillage caused by sweating behind the tiles (such as the passage of utility pipes or in wet areas such as swimming pools).

### Technical specifications

- Dimensions 600 x 600 mm.
- Thickness 7.5 mm.

### Features

- Quick and easy installation.
- Beautiful appearance.
- Easy access to the home installations space.
- No more painting operations needed.
- Ease of maintenance.

# Batis Gypsum Board

## (Regular)



International Standard No: EN 520

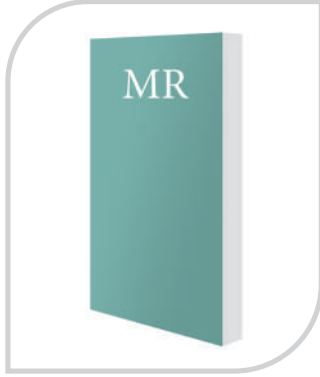
### Batis RG Gypsum Board

Code	Dimensions m	Thickness mm	Board Size	Boards per Pallet
200015	1.20 x 2.40	9.5	2.88	120
200016	1.20 x 2.40	12.5	2.88	90

Batis Gypsum Boards are Produced in two forms:  
smooth edge (VK) and chamfered edge (Ak)



# گچ برگ باتیس ( ضد رطوبت )



International Standard No: EN 520

## Batis MR Gypsum Board (Anti Humidity)

Code	Dimensions m	Thickness mm	Board Size	Boards per Pallet
200047	1.20 x 2.40	12.5	2.88	90

Batis Gypsum Boards are Produced in two forms:  
smooth edge (VK) and chamfered edge (Ak)



# Batis Ceiling Tile

Thickness: 7.5 mm



## Gypsum Filler

Code	bag Weight	Bags per Pallet
200053	20	80



# Batis Ceiling Tile

**Thickness: 7.5 mm**



**Batis Patterned PVC Coated  
Gypsum Tile - 7.5mm**

Code	Design Name	Pieces	Dimensions cm	Package Size	Number per Pallet
91011	Plain (154)	60X60	10	3.6	520 <b>Aluminum backed</b>
90018	wicker (996)				
91012	Ruby (238)				
91013	Almas (239)				
91009	Cross Fisher (631)				
91008	Diamond (567)				
91010	Dew (975)				



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