



COMPLEMENTARY PRODUCT



PHYSICAL PROPERTIES

Expanded polystyrene 25 (Type HD)

MTQ Utilisation Type	B1 (Road, foundation & lightweight fill)
Compressive Strength (ASTM D1621)	140 kPa 20.3 lbs/in ²
Flame Spread (ASTM E84)	10
Flame Spread (CAN4-S102.2M)	140
Density (ASTM D1621)	1.6 lb/ft ³ 25 kg/m ³
Dimensional Tolerance	
Thickness	-3, +5 mm
Flatness	± 1%
Squaring	10 mm each 3m ± 1%
Dimensional Stability - Volume (ASTM D2126)	0.32%
Dimensional Stability Length - Width (ASTM D2126)	-0.64% 0.18%

DESCRIPTION

Expanded polystyrene road infrastructure lightweight fill.

CERTIFICATIONS



- Meets Requirements MTQ 14 301 Tome VII ch 14, polystyrene for road construction

INSTALLATION

1. The first layer of polystyrene should be placed on a leveled 6" (150 mm) layer of densified granular material.
2. Place the blocks so that the seams overlap in all directions from row to row. If necessary, blocks can be cut either in the factory or on site to meet this requirement.
3. Near a concrete structure, the blocks will be cut on site to perfectly match the geometry of the structure.
4. Before laying the concrete slab or a sufficient thickness of the floor covering, no material must circulate on the polystyrene.
5. If the lightweight fill has to be covered with granular material, the designer may recommend the installation of a type 3 or 5 geotextile membrane for separation and transition.
6. If the lightweight fill needs to be protected against infiltration or accidental oil spillage, the designer may recommend covering it with a polythene membrane. To protect the lightweight fill, it should ensure sufficient avoidance drainage in the event of a spill.
7. Do not cover insulation until installation work has been inspected and approved by the architect and / or engineer.

Continued on back

IZOROUTE 25

TYPE HD

ROAD INFRASTRUCTURE LIGHTWEIGHT FILL

SIZES

Standard size*	24" x 48" x 96" 610 mm x 1,220 mm x 2,440 mm
Standard block volume	64 ft ³ 1.8 m ³
Standard block weight	103 lbs
Number de blocks per transportation	
Trailer of 48'	48 blocks 3,072 ft ³ (87 m ³)
Road Train	56 blocks 3,584 ft ³ (105 m ³)

*Other sizes available according to specifications requirements

ADVANTAGES

Multipurpose

In addition to being lightweight, expanded polystyrene backfill is ideal for insulation, stabilization, structural protection as well as for infill.

Low water absorption

The closed cell walls are waterproof and as such, water can only penetrate in channels located between polystyrene cells that are held together.

High-dimensional stability

According to industry standards, EPS is one of the leaders in terms of size maintenance. This helps the system to remain fully waterproof at all times.

Captive gas; 98% air and 2% plastic

This formula has been used for more than 50 years. It does not contain any CFC's, HCFC's, Formaldehyde or any gas that can impact the ozone layer. Furthermore, this provides the product with premium features including its light weight and the maintenance of R-value.

Environmentally friendly

EPS is 100% recyclable and contains 10% recycled materials. Produced locally, the distance between the plant and site is often shorter than other products of the industry.

Mildewproofing

EPS contains materials that do not support the growth of bacteria such as spores and mushrooms.

