

GEMADRAIN XPS

Description

GEMADRAIN XPS is the combination of the thermal insulation board XPS SL with a 10 mm HDPE dimple foil finished with a geotextile. The insulation rigid board is made of extruded polystyrene (XPS) foam produced according to climate-friendly CO2 technology.

GEMADRAIN XPS is mainly used as thermal insulation and drainage of underground structures, green roofs and flat roofs. On flat roofs the system must be ballasted.

Packing & Storage

Thickness ⁽¹⁾ (mm)	Boards/pack	m ² /pack	Boards/pallet	m ² /pallet	Thermal resistance (R _D) (m ² .K/W) ⁽²⁾
40	8	6,00	96	72,0	1,20
50	7	5,25	84	63,0	1,45
60	6	4,50	72	54,0	1,80
80	5	3,75	60	45,0	2,25
100	4	2,25	48	36,0	2,80
120	3	2,30	42	31,5	3,35
140	3	2,25	36	27,0	3,85
160	3	1,50	30	22,5	4,40
180	2	1,50	28	21,0	5,00
200	2	1,50	24	18,0	5,55
220	2	1,50	24	18,0	6,10
240	2	0,75	20	15,0	6,65
260	1	0,75	20	15,0	7,20
280	1	0,75	18	15,0	7,75
300	1	0,75	18	13,5	8,30

(1) Insulation thickness: the thickness of the 10 mm HDPE dimple foil needs to be added

(2) Thermal resistance insulation board (see declaration of performance INSES0102)

Store the insulation boards on a flat surface, keep dry and protected from sunlight.

Characteristics

Thermal conductivity insulation board (W/(m.K))	40 – 60 mm 80 – 300 mm	0,034 0,036
Length (mm)		1250 ± 5
Width (mm)		600 ± 3
Edge profile		rebate edge
Surface		smooth
Compressive strength at 10% deformation (kPa) (EN 826)		≥ 300
Dimensional stability (EN 1604)		DS(70,90)
Long term water absorption by immersion (EN 12087)		WL(T)0,7
Reaction to fire (Euroclass)		E
Thickness drainage and filter layer (mm)		10
Overlap geotextile (mm)		50

Installation

Always consult the local regulations and contact the manufacturer for technical questions.

After installation the insulation boards must be protected against weather conditions and sunlight.

Special indications

Hygiene, Health and Environment

The product does not contain any substance which is likely to be detrimental to your health or to the environment and complies with generally admitted Health and Safety Requirements.

For more information, please refer to the relevant safety data sheet.

Quality-, Environment- and Safety Management

SOPREMA always recognises as a high level of importance the quality of the products, the environment and safety.

For this reason, we operate independently monitored Quality and Environment Assurance Systems in line with

EN ISO 9001 and **EN ISO 14001**.

SOPREMA reserves the right to amend the composition of its material and consequently their prices, without prior notice. For this reason, all orders will be accepted only in accordance with the conditions and technical specifications in force at the date of order.

Contact: www.Soprema.com