TECHNICAL DATASHEET

SOPRA VIP Gum 1

Description

SOPRA VIP Gum 1 is a vacuum insulation panel which consists of a micro-porous silica core enveloped with a high barrier multilayer foil protected by a 3 mm thick rubber granulate lining on one side.
It is a long life, ultra-high performance thermal insulation panel which is 5 to 10 times thinner than conventional thermal insulation boards.
SOPRA VIP Gum 1 is mainly used as insulation of flat roofs and roof terraces. Other applications can be found in floor insulation.

Packing & Storage

Thickness (mm)	Length x width (mm)	Boards/pallet	m²/pallet	Thermal resistance (R_D) (m².K/W)
25 (22+3)	600 X 500	64	19,2	3,10
35 (32+3)	600 X 500	64	19,2	4,55
50 (47+3)	600 X 500	32	9,6	6,70
25 (22+3)	1000 X 300	64	19,2	3,10
35 (32+3)	1000 X 300	44	13,2	4,55
40 (37+3)	1000 X 300	44	13,2	5,25
50 (47+3)	1000 X 300	32	9,6	6,70
25 (22+3)	1000 X 600	32	19,2	3,10
30 (27+3)	1000 X 600	24	14,4	3,85
35 (32+3)	1000 X 600	22	13,2	4,55
40 (37+3)	1000 X 600	22	13,2	5,25
50 (47+3)	1000 X 600	16	9,6	6,70

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

Characteristics

Thermal conductivity after settling (W/(m.K)) (EN 12667)	0,007
Length (mm) (EN 822)	1000 (+1/-9) 600 (+1/-9)
Width (mm) (EN 822)	600 (+1/-9) 500 (+1/-9) 300 (+1/-7)
Thickness (mm) (EN 823)	nominal value (+2/-4)
Density (kg/m³) (EN 1602)	170-210
Edge profile	straight
Compressive strength at 10 % deformation (kPa) (EN 826)	CS(10)120
Dimensional stability (%) (EN 1604)	DS(70,90)1
Long term water absorption by immersion (%) (EN 12087)	NPD
Reaction to fire (EN 13501-1)	E
Water vapour diffusion factor (μ) (EN 12086)	NPD
Tensile strength perpendicular to faces (kPa) (EN 1607)	TR90
Compressive creep (kPa) (EN 1606)	NPD
Temperature resistance (°C)	-50 to +90

NPD = no performance determined

Installation

SOPRA VIP Gum 1 must be handled with care. The high-barrier multi layer foil of **SOPRA VIP Gum 1** must not be damaged (drilling, cutting, nailing, ...). Damaging the foil will lead to a loss of the vacuum inside of the panel resulting in a rise of conductivity to 0,020 W/m.K. The correct transport and storage, the installation of the VIP elements according to the installation plan (construction) and processing instructions, as well as the professional handling of the insulation elements must be taken into account.
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.

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Contact: **www.soprema.com**

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.

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.**

Contact: **www.soprema.com**