

TECHNOVENT

TS 5762-043-17925162-2006



High heat-saving capacity and resistant to transmission loss.

Use of windproof films is not required

Application areas

TECHNOVENT slabs are designed to be used in industrial and civil construction as a heat- and sound insulating layer in ventilated facade systems.

Description of material

TECHNOVENT are nonflammable, waterproofing, heat- and sound insulating slabs made of basalt rock stonewool with a low-phenol binder.

Storage

The slabs must be stored in covered warehouses. Storage under an awning protecting the slabs from atmospheric precipitation is permitted. Slabs during storage should be laid in containers or in piles on pallets or linings. The piling height during storage should not exceed 2 m.

Basic physical and mechanical properties

Property	TECHNOVENT STANDARD	TECHNOVENT OPTIMA	TWO-LAYER PROF
Interlaminar strength, kPa, not less than	5	6	8
Flammability grade	NG	NG	NG
Thermal conductivity, W/m°C			
λ_{10}	0,033	0,035	0,034
λ_{25}	0,036	0,036	0,037
λ_A	0,038	0,038	0,044
λ_B	0,039	0,040	0,047
Compressibility, %, no more than	2	2	2
Compression strength at 10% deformation, kPa, not less than	10	12	15
Vapor permeability, mg/(m*h*Pa), not less than	0,3	0,3	0,3
Humidity by weight, %, no more than	0,5	0,5	0,5
Water absorption by volume, %, no more than	1,5	1,5	1,5
Content of organic substances, %, no more than	3,0	3,0	3,0
Density, kg/m ³	72–88	81–99	90–110
Length, mm	1000, 1200	1000, 1200	1000, 1200
Width, mm	500, 600	500, 600	500, 600
Thickness (with increments of 10 mm), mm	40–200	40–200	40–200