

TECHNOLIGHT

TS 5762-043-17925162-2006



Application areas

Heat - and sound insulation of engineering structures of residential buildings and industrial facilities where thermal insulation is not under external load (mansards, garret floors, floors with heater packing between logs, frame partitions), and also as the first (internal) heat-insulation layer in the facade systems with an air gap for two-layer thermal insulation.

Description of material

TECHNOLIGHT 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.

High temperature resistance

Dimensional stability

Basic physical and mechanical properties

Property	TECHNOLIGHT EXTRA	TECHNOLIGHT OPTIMA
Compressibility, %, no more than	30	30
Flammability grade	NG	NG
Thermal conductivity, W/m°C		
λ_{10}	0,036	0,033
λ_{25}	0,038	0,037
λ_A	0,039	0,039
λ_B	0,040	0,041
Vapor permeability, mg/(m*h*Pa), not less than	0,3	0,3
Humidity by weight, %, no more than	0,5	0,5
Water absorption by volume, %, no more than	1,5	1,5
Content of organic substances, %, no more than	2,5	2,5
Density, kg/m ³	30–38	34–42
Length, mm	1000, 1200	1000, 1200
Width, mm	500, 600	500, 600
Thickness (with increments of 10 mm), mm	40–200	40–200