

XPS CARBON FACADE

TS 2244-047-17925162-2006



Enhanced adhesion of plaster mixtures

Application areas

A heat-insulation layer in plaster facades, heat insulation of basements. Other engineering structures with increased requirements for adhesion of heat-insulation slabs to the base.

Description of material

XPS CARBON FACADE are heat-insulating slabs made of extruded polystyrene foam with a special milled surface.

Storage

XPS CARBON FACADE slabs should be stored sorted by brands and dimensions, in a dry closed place, horizontally in piles at a distance of not less than 1 m from heaters. The piling type arrangement should provide stability when storing and dismounting slabs. The piling height should not exceed 5 m. The width of spaces between piles should be not less than 1.5 m. XPS CARBON FACADE slabs should be stored under an awning protecting them against atmospheric precipitation and sunlight. When storing under an awning, the slabs should be laid on pallets or linings.

Basic physical and mechanical properties

Property	XPS CARBON FACADE
Compression strength at 10% linear deformation, kPa, not less than	250
Heat conductivity at (25±5)°C, W/(m*K), not less than	0,029
Heat conductivity under operating conditions A and B, W/(m*K), not more than	0,031
Flammability group	G3
Water absorption, %, no more than	0,2
Young's modulus, MPa	17
Vapor permeability, mg/(m*h*Pa)	0,010
Specific heat, kJ/(kg*°C)	1,45
Bending strength, MPa, not less than	0,35
Density, kg/m ³ , not less than	30
Operating temperature, °C	from -70 up to +75
Dimensions*	
Thickness, mm	30, 40, 50, 60, 80, 100
Length, mm	1180
Width, mm	580

* The L-edge prevents occurrence of cold bridges, improves how they bond together; in coordination with the consumer, and in coordination with the consumer slabs with other dimensions can be produced.