



TECHNONICOL CARBON PROF 300 SLOPE

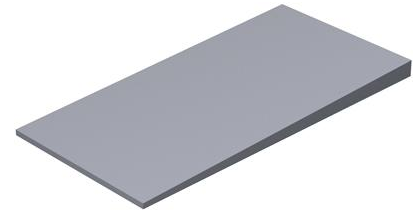
Slope shaped slabs of extruded polystyrene (XPS)



DESCRIPTION:

TECHNONICOL CARBON PROF 300 SLOPE is a thermal insulation material with uniformly distributed closed cells, which does not swell, shrink or absorb water. It is chemically resistant and is not a subject to putrefaction. The high strength of the material allows receiving equal and simultaneously rigid base that essentially increases the durability of the whole thermal insulation system. It contains nanoscale carbon particles, which allow significantly increasing the thermal efficiency of the material.

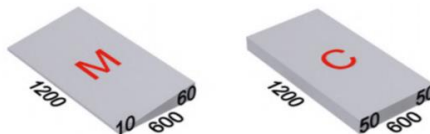
A variation with the slope shape is available for the creation of the slope of 1.7 or 8.3% in order to drain water on the flat roof to funnels. These extruded polystyrene slabs are used on flat roofs in new constructions or reconstructions of industrial and civil buildings and structures.



Slope of 1.7%



Slope of 8.3%



PERFORMANCE AND KEY PROPERTIES:

| Properties | Test method | Unit of measurement | Properties |
|--|-------------|---------------------|------------|
| Thermal conductivity, λ_D | EN 12667 | W/m ² K | 0.034 |
| Reaction to fire, Euroclass | EN 13501-1 | ----- | Class E |
| Compressive stress under 10% deformation, CS(10) | EN 826 | kPa | ≥ 300 |
| Long term water absorption by immersion, WL(T) | EN 12087 | % | ≤ 0.7 |
| Long term water absorption by diffusion, WD(V) | EN12088 | % | ≤ 3.0 |

STORAGE:

Extruded polystyrene TECHNOMICOL CARBON slabs should be stored under a shelter in order to protect them against precipitations and sunlight. It could also be stored outdoors, but only in a special package for protection against external atmospheric impacts. The slabs must be stored on pallets, supports or bars.

Shelf life if all storage requirements are met: 24 months from the date of production.