

ATLAS ETHICS SYSTEM

set of products for insulating external walls of buildings

National Technical Assessment ITB-KOT-2020/1616 edition 3

National Declaration of Performance K001-1/2022

National Certificate of Conformity for Factory Production Control No. 020-UWB-1054/Z

Properties

Complete set of insulation materials - ensures full and research-tested compatibility of all components, which is particularly important during the subsequent years of system operation.

Versatile - the thermal insulation system can use adhesive mortars for fixing EPS panels and making the reinforced layer, as well as thin-coat renders in any configuration (interchangeable), depending on the needs of the project.

No studding is required up to a height of 12 m - in cases and locations on the façade where mechanical fixing is not a necessity due to other factors, e.g. in the corners of buildings or in the case of strong wind loads.

Primerless - when using ATLAS STOPTER K-50, ATLAS HOTER U2-B, no plaster primer is required on the reinforcing layer before rendering, reducing costs and speeding up insulation work.

Wide selection of thin-layer renders - the system includes both mineral and polymer renders, and of particular note are high-quality silicone, silicone-silicate and acrylic renders, as well as various types of decorative renders with the structure of wood, concrete, stone, sandstone or brick. Thus, depending on your needs and the actual conditions of use of the render, you can choose a render with optimal performance parameters.

It not only enables standards to be met, but also the insulation required for passive energy, zero or plus energy buildings

The system is non fire-spreading.

The system's finishing layers (renders and paints) form a protective barrier to the building that is not susceptible to algal growth.

Purpose

The ATLAS ETICS system is a complex system of insulating external walls of buildings, the execution of which consists in attaching polystyrene (EPS) panels to the wall from its external side, placing on them a layer of mortar reinforced with mesh and then executing an external layer of thin-coat render.

For insulating external walls of buildings - can be used both on plastered surfaces and on raw masonry made from bricks and blocks (ceramic, lime-sand, stone, cellular concrete and concrete (monolithic or prefabricated)).

For insulation using polystyrene foam (EPS) - the maximum thickness of the thermal insulation can be up to 50 cm.

For insulating buildings up to a height of 25 m

Recommended for insulation work in traditional, energy-efficient and passive construction.



Elements of the ATLAS ETICS system

According to the regulations in force, the insulation system is treated as a single construction product in its entirety, and must therefore be used only in the layering and material arrangements described in its technical approval. The use of "compilations", i.e. the use of products not covered by the technical approval, from other systems or manufacturers, is not permitted.

According to the contents of the National Technical Assessment, the ATLAS ETICS system may use products according to the following list.

Fixing thermal insulation - basic ATLAS HOTER S adhesive mortar ATLAS HOTER U adhesive mortar HOTER U WHITE adhesive mortar ATLAS HOTER U2-B adhesive mortar ATLAS STOPTER K-20 adhesive mortar ATLAS STOPTER K-50 adhesive mortar ATLAS GRAWIS S adhesive mortar ATLAS GRAWIS U adhesive mortar ATLAS ROKER U adhesive mortar
Thermal insulation product polystyrene (EPS) boards 20-500 mm thick, according to EN 13163+A1:2015 (until the end of the transition period for EN 13163+A2:2016)
Fixing of thermal insulation - additional Fasteners for fixing thermal insulation placed on the market in accordance with current regulations and intended use.
Reinforced layer - adhesive ATLAS HOTER U adhesive mortar HOTER U WHITE adhesive mortar ATLAS HOTER U2-B adhesive mortar ATLAS STOPTER K-20 adhesive mortar ATLAS STOPTER K-50 adhesive mortar ATLAS GRAWIS U adhesive mortar ATLAS ROKER U adhesive mortar Reinforced layer - mesh ATLAS 150 ATLAS 165 SSA-1111-340-SM
External layer - render Thin layer render ATLAS CERMIT ND + ATLAS CERPLAST primer Thin layer render ATLAS CERMIT WN + primer ATLAS CERPLAST Thin layer render ATLAS CERMIT BA-M + primer ATLAS CERPLAST Thin layer render ATLAS DEKO M + primer ATLAS CERPLAST ATLAS ACRYLIC RENDER + ATLAS CERPLAST primer ATLAS CERMIT N-100 + ATLAS CERPLAST primer ATLAS SILICONE RENDER + primer ATLAS SILKON ANX or ATLAS CERPLAST ATLAS SILICONE RENDER IN + primer ATLAS CERPLAST or ATLAS SILKON ANX ATLAS GEMINI R + ATLAS CERPLAST primer ATLAS GEMINI RS + ATLAS CERPLAST primer ATLAS SILICONE-SILICATE RENDER + ATLAS SILKON ANX or ATLAS CERPLAST primer ATLAS SILKON BA + ATLAS SILKON ANX or ATLAS CERPLAST primer External layer - optional ATLAS SALTA paint ATLAS SALTA S paint ATLAS SALTA E paint ATLAS SALTA N paint ATLAS SALTA N PLUS paint ATLAS BEYOND

