

NESCOAT® SW 120

Stone Wool Thermal Insulation Board

DESCRIPTION

NESCOAT® STONEWOOL 120 is a thermal insulation board produced by melting volcanic rocks at high temperatures and transforming them into fibers.

APPLICATION AREAS

It is used as a thermal insulation board in external thermal insulation systems.

ADVANTAGES

- High-performance thermal insulation board.
- A1 class non-combustible material.
- Provides sound and fire insulation along with thermal insulation.
- Perfectly compatible with system components.
- Offers a durable and long-lasting solution.
- It is economical.

WARNINGS AND RECOMMENDATIONS

- The product should be stored in a dry environment and protected from getting wet.
- If rain is expected before the stone wool boards are covered with plaster, the application should not be carried out. Otherwise, water may penetrate the boards, leading to damage.
- Stone wool fibers may cause irritation upon contact with skin; appropriate protective equipment (clothing, gloves, goggles, mask) should be used during application.

QUALITY CERTIFICATES

- Complies with the ISO 9001:2015 quality management standard.
- Complies with the TS EN 13162 building materials standard.
- CE marked, compliant with EU standards.



TECHNICAL SPECIFICATIONS

Property	Value
Density	120 kg/m ³
Thermal Conductivity Coefficient (λ_D)	0.035 W/mK
Compressive Strength (at 10% deformation)	≥ 40 kPa
Tensile Strength Perpendicular to the Surface	≥ 15 kPa
Squareness Tolerance	≤ 5 mm
Surface Flatness Tolerance	≤ 3 mm
Dimensional Stability	< %1
Length Tolerance	≤ % 2
Width Tolerance	≤ %1.5
Water Vapor Diffusion Resistance Factor (μ)	1
Maximum Service Temperature	720°C
Melting Point	> 1000°C
Short-Term Water Absorption	≤ 1 kg/m ²
Long-term Water Absorption	≤ 0.5 kg/m ²
Fire Classification	A1
Dimensions (Length x Width)	120 cm x 60 cm
Thickness	3 cm to 15 cm