

# STONE WOOL



Stone wool is made from, an inorganic raw material, which is obtained domestically. It is produced through heating raw material at 1350°C - 1400°C and transforming it into fibres. It can be manufactured in the forms of blanket, board, pipe or loose in different size and with different technical properties, with different facing materials according to the intended use and the place of use. It is used for thermal insulation, sound insulation, acoustic comfort as well as fire safety.

## Izocam Stone Wool Production

- It is manufactured with the licence of Saint Gobain Isover, Grünzweig + Hartmann, Germany.
- It is produced in the plants that hold the ISO 9001 Quality Management System, ISO 14001 Environmental Management System, ISO 50001 Energy Management System, OHSAS 18001 Occupational Health and Safety Management System certificates provided by Bureau Veritas.
- Izocam Stone Wool products that are subject to TS EN 13162 and TS EN 14303 hold the CE mark according to the Construction Products Directive (305/2011/EEC).
- Izocam Stone Wool Products certified by EPD and EUCEB.

## General Information

- Its declared thermal conductivity is  $0,035 \leq \lambda \leq 0,040$  W/mK. (at 10°C)
- Depending on the declared thermal conductivity values, Izocam Stone Wool products are in the thermal conductivity groups of 035 and 040.
- Water vapour diffusion resistance factor  $\mu = 1$ .
- Depending on the product type, the temperature of use is between -50/+650°C. Melting temperature > 1000°C.
- Even if it is subjected to heat and humidity it stays dimensionally stable.
- It is rot proof and resistant to aging. It does not corrode, decompose or allow mold formation. They are resistant against insects and microorganisms.
- It is not hygroscopic and capillary.
- Unfaced stone wool products are classified as "A1" group noncombustible materials with respect to TS EN 13501-1.

