

# Thermal insulation glass (low-emissivity)



- ✓ available with Th and One low-emissivity coatings
- ✓ available as standard or safety glass
- ✓ designed for use in insulated glass units

Thermal insulation glass, or low-emissivity glass, forms the glazing in modern partitions, which often accounts for more than 90% of its entire surface area. The thermal comfort that the household members can expect and the heating costs they will have to bear depend largely on the glazing.

Low-emissivity glass owes its properties to a microscopic metal oxide coating. This intelligent filter allows the house to be filled with bright, natural light while simultaneously reflecting heat back into the interior, preventing it from escaping. In this way, low-e glass eliminates the "cold glass" effect and allows you to enjoy a beautiful view without cooling the interior.

Eko-Okna customers can choose from two standards of thermal insulation glass:

- **Th low-emissivity glass:** This is the perfect compromise between maximum interior lighting and high energy savings. It is an excellent choice for standard single-family housing, where natural light and optimal thermal comfort are essential.
- **One low-emissivity glass:** Created for maximum energy savings in the best-insulated homes, where minimising heating bills is an absolute priority. They represent the latest evolution in thermal insulation glass, co-creating the warmest glazing units.