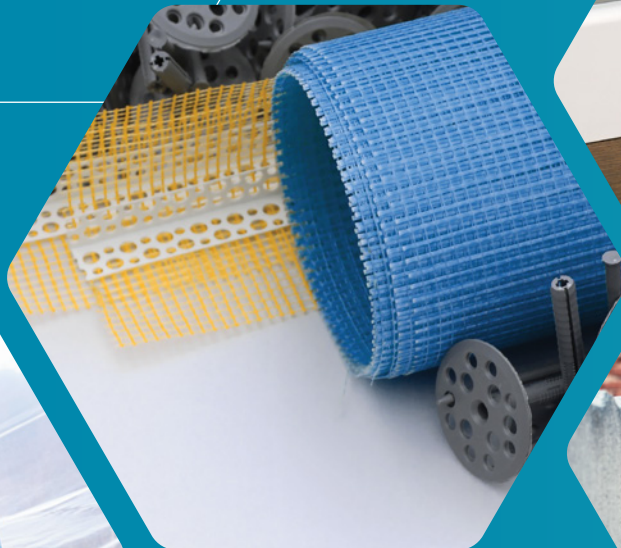


Polyurethane in construction



Polyurethane in construction

Polyurethane systems have multiple applications in very diverse sectors. One of the sectors with the largest number of applications is construction: with thermal insulation, acoustic insulation, waterproofing and coating products, among others.

The most widespread formats in construction applications are: in the form of plates, sandwich panels and systems applied in situ by projection or injection.

This document develops the use of polyurethane systems applied in situ by projection and injection.

Polyurethane systems play a determining role in energy efficiency policies for buildings, thanks to their function of limiting energy demand through enveloping insulation.

Polyurethane systems provide the solutions with the highest performance and minimum thickness.

Thermal isolation

Polyurethane is one of the most efficient insulating materials due to its low thermal conductivity and durability.

In the case of polyurethane systems applied by projection or injection, to their high insulating capacity we must add the continuous nature of their application, without joints, which provides a high degree of tightness, prevents air leaks in the enclosure and allows solving the encounters between parameters and the usual thermal bridges of buildings in a natural way.

There is a whole range of polyurethane systems adapted to the needs of the building depending on the applicable regulatory requirements, the environment and the application conditions: façade, roof, floor, interior or exterior, available thickness, new construction or rehabilitation, etc.

The low thermal conductivity of polyurethane is not diminished by external agents such as humidity or dust in the environment.

