



**CHOOSE THE  
MOST EFFICIENT  
TYPE OF INSULATION**

**HOME BUILDERS**

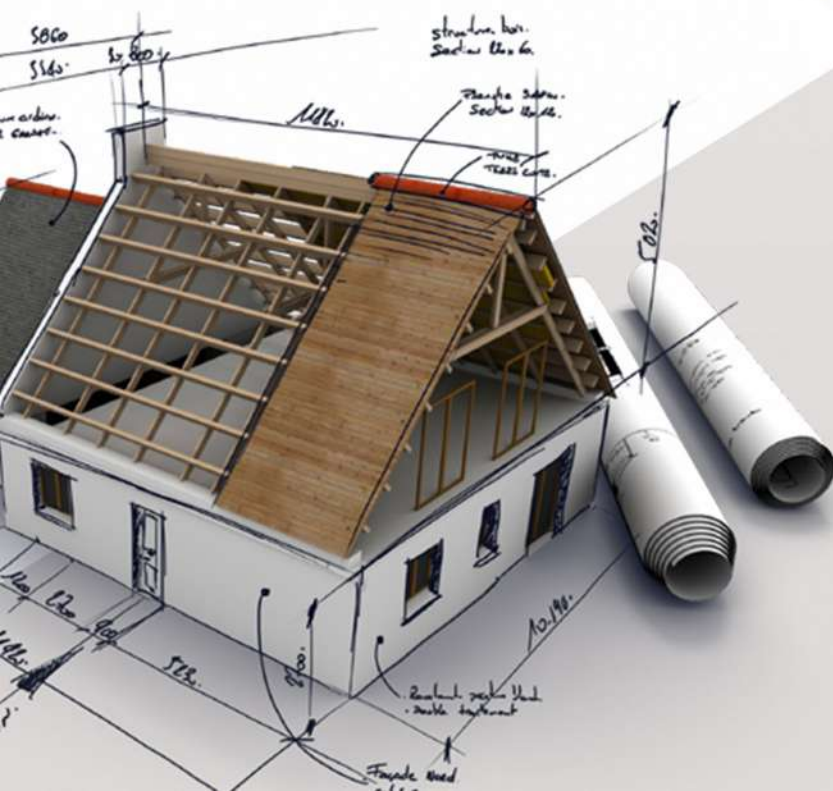
# EXY INSULATION THAT INSPIRES

One of the most effective materials for the complete thermal insulation has recently, become increasingly popular with architects, designers, developers, small investors and home builders, due to its undisputed advantages, is the EXY SPRAY SYSTEM spray foam insulation. The advantage of this type of insulation is that it can be used practically anywhere and fills all gaps. It eliminates thermal bridges and creates a continuous insulating and protective layer.

EXY SPRAY SYSTEM insulation is applied using a special technology based on the principle of a chemical reaction created by the combination of two special substances. The application itself is very fast, the foam expands up to 150 times its volume within seconds, depending on the type of foam, so that certified users can insulate a 250 m<sup>2</sup> family house within one day

## THE IDEAL SOLUTION FOR EVERY BUILDING

The EXY spray foam insulation is a suitable insulating material for almost any type of building. It adheres to most building materials. Properly applied foam creates a building envelope that saves up to 70% of the annual energy costs. Foam that has been applied in this way shows consistent insulation parameters throughout the life of the building.



## THE EXY SPRAY SYSTEM FOAMS PROVIDE UNPARALLELED PROPERTIES.

- ✔ It creates a seamless layer and air barrier
- ✔ It helps you to reduce energy costs by up to 70 %
- ✔ It acts as a vapour barrier and is mould resistant.
- ✔ Seals the surface 100% and prevents the formation of thermal bridges.



## TWO TYPES OF SPRAY INSULATION

### 09 DIFFUSE OPEN FOAM WITH AN OPEN-CELL STRUCTURE

The EXY 09 water-based open-cell insulation foam fills all gaps and prevents air and moisture from entering a building structure. Thanks to its excellent permeability properties (3.54  $\mu$ ), it is suitable for use in wooden constructions, passive and low-energy buildings. A speedy application, the insulation of otherwise very difficult-to-access areas and difficult structural details are all possible.








### 34 DIFFUSE CLOSED FOAM WITH A CLOSED-CELL STRUCTURE



The new generation of EXY 34 HFO closed cell spray foam insulation is one of the most effective insulation materials available on the market. This foam strengthens the building structure many times over, requires no mechanical anchoring and insulates all hard-to-reach areas. From a layer thickness of 5 cm, it also serves as a vapour barrier.





# FOAMS FOR EVERY PART OF YOUR HOUSE

Most commonly used	Cell structure	Fire classification	Suitable for	Thermal conductivity coefficient $\lambda_D$	Core density	No health risk
	opened cell	E	New builds, rebuilds, walls and ceilings, attic conversions, wooden buildings	0,037 W/(m.K)	8,5 kg/m <sup>3</sup>	✓
	closed cell	E	Indoor and outdoor areas, foundations, facades, walls and ceilings, floors, etc.	0,027 W/(m.K)	34±5 kg/m <sup>3</sup>	✓

Soft foams	Cell structure	Fire classification	Suitable for	Thermal conductivity coefficient $\lambda_D$	Core density	No health risk
	opened cell	E	New builds, rebuilds, walls and ceilings, attic conversions, wooden buildings	0,039 W/(m.K)	8,5 kg/m <sup>3</sup>	✓
	opened cell	E	New builds, rebuilds, walls and ceilings, attic conversions, wooden buildings	0,037 W/(m.K)	8,5 kg/m <sup>3</sup>	✓
	opened cell	E	New builds, rebuilds, walls and ceilings, attic conversions, wooden buildings	0,033 W/(m.K)	13 kg/m <sup>3</sup>	✓

Semi-rigid foams	Cell structure	Fire classification	Suitable for	Thermal conductivity coefficient $\lambda_D$	Core density	No health risk
	closed cell	E	Indoor and outdoor areas, foundations, facades, walls and ceilings, floors, etc.	0,027 W/(m.K)	34±5 kg/m <sup>3</sup>	✓
	closed cell	E	Indoor and outdoor areas, foundations, facades, walls and ceilings, floors, etc.	0,029 W/(m.K)	41±5 kg/m <sup>3</sup>	✓

Roof foams	Cell structure	Fire classification	Suitable for	Thermal conductivity coefficient $\lambda_D$	Core density	No health risk
	closed cell	E	Flat and pitched roofs with occasional access by persons	0,025 W/(m.K)	45-50 kg/m <sup>3</sup>	✓
	closed cell	E	Flat and pitched roofs with occasional access by persons	0,026 W/(m.K)	55-60 kg/m <sup>3</sup>	✓



Take a look at the insulation process

