



## The Premium Insulation for Cavity Wall Constructions

### Material Description

Insute 25-pro is a high-performance insulation material developed for blow-in insulation. The material can be processed by machine and is characterized by its outstanding insulation performance, high stability and diffusion openness. With its specially developed grain size and exceptional flowability, Insute 25-pro is also ideal for core insulation in particularly narrow cavities.

### Application

Insute 25-pro is suitable for core insulation using the mechanical blow-in method. The areas of application are in particular:

- Insulation of cavities from a gap width of just 10 mm
- Applications with high-performance requirements
- Completing the insulation of partially insulated cavity walls

### Advantages

- For cavities of 10 mm and more
- Outstanding thermal insulation
- Moisture regulating
- Water repellent
- Open to diffusion
- Sound absorbing
- Abrasion resistant & pressure resistant
- Quick and easy processing
- Homogeneous distribution
- Does not dust



### Technical Data

Technical properties	Data	Unit	Standard
Material	Foamed acrylic copolymer		-
Building material class	B2		DIN 4102-1
Thermal conductivity limit value	0.026	W/(m·K)	DIN EN 12667
Rated value of thermal conductivity	0.028	W/(m·K)	DIN EN 12667
Bulk density	Approx. 100	kg/m <sup>3</sup>	DIN EN 1097-3
Specific heat capacity	1.37	kJ/(kg·K)	According to Kohlrausch
Water vapor diffusion	2	μ	DIN EN 12086
Long-term water absorption	Fulfilled		DIN EN ISO 16535
Settlement dimension model wall	≤ 1	%	-
Recyclable/ reusable	Yes		-



### Instructions for Use

Insute 25-pro is a high-performance insulating material made from foamed acrylic copolymer flakes. It should be applied by qualified specialist companies. The suitability of the construction must be carefully checked before starting the blow-in process. The minimum shell spacing of 10 mm, the structural safety and the building physics requirements must be observed. In addition, the construction must be checked for possible cracks and defects. Further information on the application can be found in the general building authority approval: Z-23.11-2166.

### Environment & Sustainability

From environmentally friendly production with low energy consumption to climate-efficient use and recycling, we focus on sustainability and the circular economy. Insute 25-pro impresses above all with its good insulation values, is free of harmful substances and is produced at low temperatures to conserve resources. Thanks to these properties, Insute 25-pro makes a significant contribution to the sustainable improvement of the energy standard of buildings.

### Delivery Information

Packaging form	Weight per bag	Waste code number
Paper bag with PE inliner	10 kg	150102

Cavity depth in mm	Nominal level of the thermal resistance $R_p$ of the insulation layer in (m <sup>2</sup> K)/W	Minimum consumption (bags per 100m <sup>2</sup> )
10	0,4	10
20	0,7	20
30	1,1	30
40	1,4	40
50	1,8	50
60	2,1	60
70	2,5	70
80	2,9	80
90	3,2	90
100	3,6	100
110	3,9	110
120	4,3	120
130	4,6	130
140	5	140
150	5,4	150

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