

r. **F**ly<sup>®5</sup>  
Mineral wool  
granulate



Energy to live



**ROHHE**<sup>®</sup>

## Product

r. Fly<sup>®</sup>5

is mineral wool granulate used for thermal and acoustic insulation by dry blowing directly on the construction site (in situ). The applied granulation technology ensures optimal thermal insulation properties, high application efficiency and stability of parameters during the entire period of use.

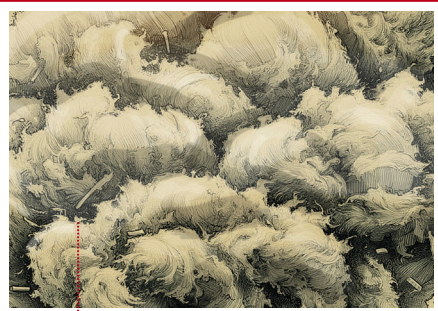


## Application

r. Fly<sup>®</sup>5

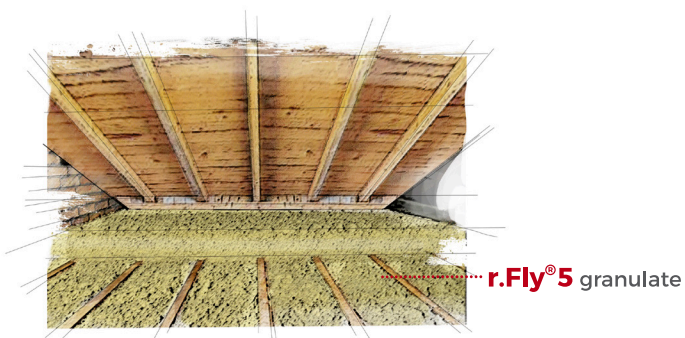
is used for thermal, acoustic and fire insulation of building partitions such as: horizontal non-habitable attic spaces (e.g. floor on joists), ventilated flat roofs, inclined usable attic spaces, ceilings between floors, three-layer walls, frame walls and elements of technical equipment. Depending on the type of the insulated partition, r.Fly<sup>®</sup>5 is blown from the outside through the existing or made openings in the partition (e.g. ventilated flat roof, three-layer walls) or from the inside, e.g. non-habitable attic. r.Fly<sup>®</sup>5 is perfect for all types of facilities, such as: residential, hotel, office, industrial, sports, healthcare, agricultural and food processing.

### Product structure

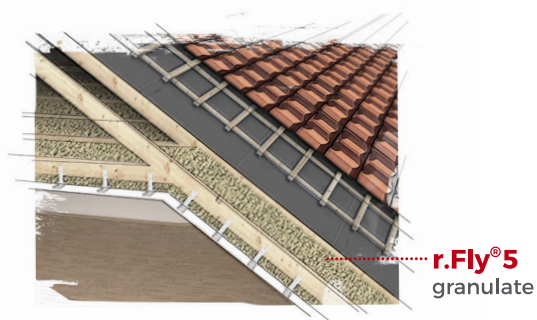


Bulk density: 40 – 65 kg/m<sup>3</sup>

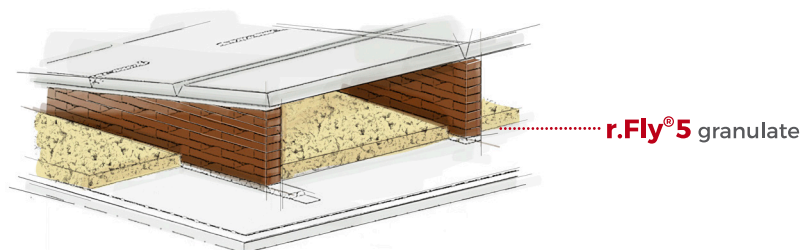
### Insulation of non-habitable attic space



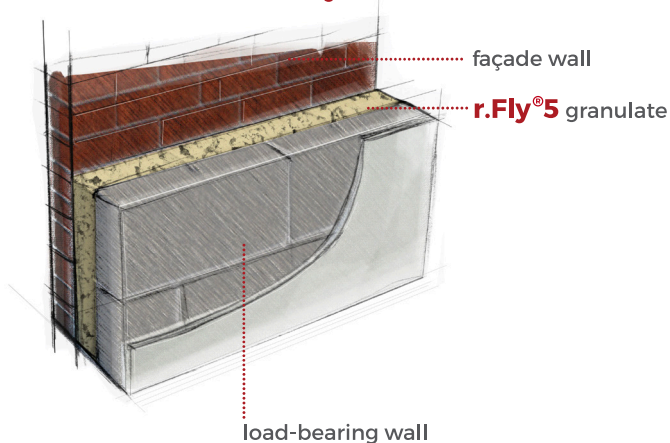
### Insulation of sloping roof



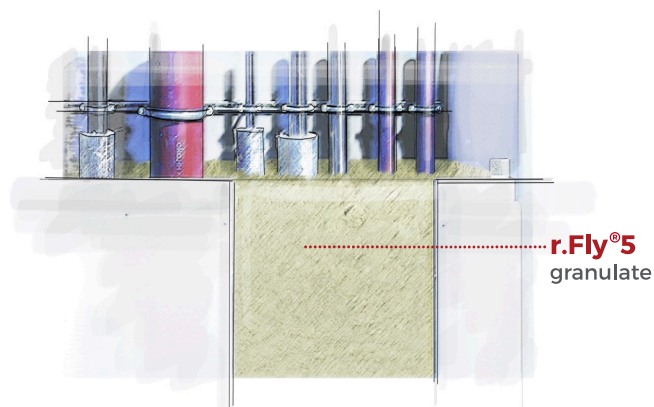
### Insulation of ventilated flat roofs



## Insulation in three-layer walls



## Insulation of installation shafts



## Densities and volumes

r. Fly®5

allows to obtain bulk densities in the range of  $40 \div 65 \text{ kg/m}^3$ . Thanks to the high compression of r.Fly®5 granules in packages, it is possible to obtain from 15 m<sup>3</sup> to 25 m<sup>3</sup> of finished thermal insulation from 1 pallet of the product (990 kg), depending on the bulk density.

### Interesting fact!

The unique method of separation of the heavy fraction in the production process of r.Fly®5 allows to achieve lower bulk densities of the finished insulation.



## Technical details

PARAMETER	VALUE	UNIT	SYMBOL	STANDARD
bulk density	40 - 65	kg/m <sup>3</sup>	$\rho$	EN 14064-1
reaction to fire	incombustible	class	A1	EN 14064-1
thermal conductivity in 10°C:				
for a density of $65 \pm 5 \text{ kg/m}^3$	0,038	W/m·K	$\lambda_D$	EN 14064-1 (EN 1266-7)
for a density of $50 \pm 5 \text{ kg/m}^3$	0,039	W/m·K	$\lambda_D$	EN 14064-1 (EN 1266-7)
for a density of $40 \pm 5 \text{ kg/m}^3$	0,040	W/m·K	$\lambda_D$	EN 14064-1 (EN 1266-7)
settlement class (horizontal applications)	$> 1\% \leq 5\%$	-	S2	EN 14064-1
diffusion resistance of water vapour	MU1	-	$\mu$	EN 14064-1

Product CE code MW-EN 14064-1-S2-MU1

Product Standard EN 14064-1:2018

Product Documents [www.rohhe.com/documents](http://www.rohhe.com/documents)



## Packaging method

**r.Fly®5** is packed in sealed bags made of heavy-duty LDPE. The weight of one package is only 15 kg. This allows convenient handling of the product at the application site. In addition, due to the large compression, a large volume of finished insulation is obtained from a small **r.Fly®5** bag. The bags used and closed with a machine weld reliably protect the granulate against moisture. The bags are horizontally stacked on a pallet in 11 layers and are covered with a heavy-duty LDPE hood. In addition, the pallet is wrapped in stretch foil. This packaging method effectively protects the product against damage during transportation and storage operations.



### r.Fly®5 bag

bag dimensions:

height: 22 cm,

length: 80 cm

width: 40 cm

bag weight: 15 kg



### Pallet with r.Fly®5 bags

pallet dimensions:

base: 1.6 x 1.2 m,

height: approx. 2.6 m

pallet weight: 990 kg

ROHHE Partner:



[www.rohhe.com](http://www.rohhe.com)

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