ISOPROC

iQ3 CELLULOSE

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Technical data sheet

DESCRIPTION

Fibrous thermal-insulation material for blowing into spaces and open blowing. Made of unread newspapers. With additives to protect against fire and insects.

USAGE

- Blowing into roofs, walls, and floors.
- Open blowing on non-walkable attic floors and vaulted ceilings.
- Both for new buildings, renovations, and the prefab industry.

SIGNIFICANT ADVANTAGES

- Optimal insulation effect due to gap-free installation and the windtightness effect of the material, which makes it durable over time.
- Long-term efficient and trouble-free result.
- Rapid installation, no cutting waste.
- iQ3 is made from recycled paper of which at least 95% is newsprint. The tiny amount of energy needed to produce it and its production in Belgium results in it containing a very limited amount of embedded energy.
- Superb fire protection for wooden structures.
- iQ3 also protects against noise and overheating in summer.

TECHNICAL PROPERTIES

	Blowing in	Open blowing
Density*	39 – 65kg/m³	25 - 35kg/m³
Thermal conductivity λ_D	0.038W/(m.K)	0.039W/(m.K)
Vochtgehalte	6% (± 1%) during installation.	
Specifieke warmtecapaciteit	±2,000J/(kg.K)	
Water vapour diffusion resistance factor μ	1-2	
Reaction to fire (EN 13501 - 1)	B-s2, d0	
Standard packaging	12.5-kg sacks; 30 sacks per pallet.	
Electrical behaviour	Electrostatic and electrically neutral.	
Attestations	ETA 20/0593 EPD based on EN 15804 and ISO 14025	

* See installation instructions for the correct density to be applied, based on the application.

www.iQ3-tech.eu
For more information about installation, certificates, technical details and contact details.

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www.iQ3cellulose.eu
Discover our images, videos, workshops, references and information about sales.

PRODUCTION AND INSTALLATION

After shredding the newsprint, additives are added to protect against fire and insects. The pieces of paper are then 'fiberised' to obtain three-dimensional flakes. The flakes are compressed together and packed in 12.5 kg bags.

At the building site or in the workshop, the flakes are 'de-compacted' again with an insulation blowing machine and transported to the right place at the site using hoses and air pressure. The flakes are blown into enclosed spaces (e.g. between a roof frame and a vapour barrier). Or, the flakes are blown 'open' onto a surface (e.g. onto the attic floor).

Installation must be performed by trained staff with experience installing the insulation material. This must be done under the supervision of the technical manager at the site. The product must be installed in accordance with the manufacturer's specifications. Consult www.iQ3cellulose.eu for a list of ISOPROC approved installers.

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