

R-VRAC

BIO-BASED RECYCLED TEXTILE INSULATION

UNINHABITED ATTICS

for blowing or loose-fill application

R-VRAC is a **thermal and acoustic insulation** material made from recycled cotton wool. A healthy and eco-friendly alternative to conventional mineral wools.

With a thermal conductivity lambda of **0.048 W/(m.K)**, **ACERMI certified**, good thermal phase shift, excellent sound insulation, and effective moisture management.

This product can be installed by **manual spreading or pneumatic blowing**:

- on floors of uninhabited, unconditioned attics or hard-to-reach spaces
 - on plasterboard ceilings on framing compliant with NF DTU 25.41 standard
- Its flake format allows even distribution and minimizes thermal bridges. Lightweight, soft, low-dust, and non-irritating, R-VRAC ensures a **clean and comfortable installation**.



 **1 m² insulated at R7 (4.8 kg) = 12 RECYCLED GARMENTS** 

INTERIOR INSULATION FOR NEW BUILDINGS AND RENOVATION



Individual & collective housing



Public accessible buildings (erp)



Offices, industrial & commercial buildings

+ OCCUPANTS



WINTER COMFORT
conductivity 0.048 W/(m.K)



SUMMER COOLNESS
6 to 8-hour phase shift



SOUND INSULATION
excellent



HUMIDITY REGULATOR
for a home that breathes



DURABLE UP TO 50 YEARS
no sagging



ELIGIBLE FOR RENOVATION
grants

+ APPLICATION



LIGHTWEIGHT
4.8 kg/m² at R7



LOW DUST
non-irritating and soft



LOW CARBON
lowest impact on the market



Région
Hauts-de-France

sourcing, design and manufacturing
in hauts-de-france



TECHNICAL SPECIFICATIONS

density	10 - 15 kg/m ³
thermal conductivity	0.048 W/(m.K)
initial thickness	125 to 735 mm before settling
bag weight	9 kg (0,+1)
settling	30%
reaction to fire	Euroclass E
sd	0.13 at 125 mm and 0.74 at 735 mm
treatment	fire retardant/antifungal
lifespan	50 years
phase shift	6 to 8 hours



The r-vrac process, covered by atex 3058, is a thermal insulation solution designed for unheated attic floors and between joists and trusses. it applies to both new construction and renovation projects and covers the following building types:

- residential buildings: single-family or multi-family
- non-residential buildings
- public buildings (erp) with top floor level below 8 m from ground level
- buildings subject to the labor code

Industrial, agricultural, agrifood, refrigerated, corrosive atmosphere, and load-bearing metal frame buildings are excluded.

Never expose the product to intense heat sources (welding, flames, sparks). unprotected recessed spotlights in direct contact with the product can cause uncontrollable localized overheating. insulation using this process in the presence of spotlights is prohibited in public buildings (erp). this product is not intended to remain exposed.

PACKAGING AND STORAGE

bag size	40 x 60 x 22 cm
number of bags per pallet	45
pallet dimensions	100 x 120 cm
pallet height	220 cm
insulated area per pallet	85m ² en R7



R-VRAC RANGE

R (m ² .K/W)	minimum thickness (mm)	thickness after settling (mm)	minimum number of bags per 100m ² (9 kg bag)
5	343	240	38
5,5	377	264	42
6	411	288	46
6,5	446	312	49
R7	480	336	53
7,5	515	360	57
8	549	384	61
8,5	583	408	65



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