

BU/TEX

COTONWOOL®

THERMAL AND ACOUSTIC INSULATION
EXCELLENT PERFORMANCE



The raw material used in COTONWOOL FLEX 25 comes exclusively from cotton reclaimed from recycled textiles:

Composition: 85% textile waste from NF-treated shredded recycled material, bonding agent 15% thermal bonding fibres

- Best weight/performance ratio on the market (cotton wool)
- Thermal conductivity certified by ACERMI (certificate no.19/116/1452/1) of 0.037 W/(m.K)
- Semi-rigid from 100 mm upwards
- Reaction to fire class E
- VOC emissions: A+
- Resistant to fungal development
- Easy to handle and cut (with insulation knife) and simple implementation
- Material soft to the touch, non-irritant and low dust



FIBRES
100%
RECYCLÉES & RECYCLABLES



The COTONWOOL FLEX 25 process is the subject of a Technical Appraisal (no. 20/19-439_V2 wall application, 20/19-440_V2 loft application). It is designed for thermal insulation in new build and renovation work on the following buildings:

- Residential buildings: Individual or communal
- Non-residential buildings
- Public access buildings (ERP) in which the last floor is less than 8 m above the ground
- Buildings under the labour code.

Industrial, agricultural, agro-food, cooling process buildings, and those with a corrosive atmosphere are excluded.

COTONWOOL FLEX 25 is designed to insulate:

- Ventilated attic spaces according to the NF DTU series 40 standards:
 - insulation on loft floors,
 - Insulation between joists and roof trusses;
- Converted attics:
 - insulation in sloping roofs between and under rafters with a secondary wood framework,
 - insulation in sloping roofs between and under rafters with a secondary metal framework.
- Poured concrete walls compliant with NF DTU 23.1 and small masonry unit walls compliant with standard NF DTU 20.1;
- "French-style" walls (small masonry unit walls compliant with NF DTU 20.1 + single-layer rendering with a thickness of more than or equal to 10 mm compliant with NF DTU 26.1.
- House and building walls, with a wooden framework compliant with standard NF DTU 31.2.

Wet walls or those with rising damp cannot be insulated using this procedure.



TECHNICAL FEATURES

Designation	Values / Type	Unit
Density	25 (-3,+5)	kg/m ³
Thermal conductivity	0.037	W/(m.K)
Panel length	1200	mm
Panel width	600	mm
Sound reduction index (In a 50 mm non-load-bearing partition wall with insulation - Test report GINGER CEBTP EFR-22-000005)	41 (-4; -10) dB	Rw (C ; Ctr)

COTONWOOL RANGE

Thickness (mm)	Thermal Resistance R (m ² .K/W)	Number of panels per pack	Number of packs per pallet	Surface in m ² per pallet
50	1.35	12	8	69.12
60	1.60	10	8	57.60
75	2.00	8	8	46.08
100	2.70	6	8	34.56
120	3.20	5	8	28.80
145	3.90	4	8	23.04
200	5.40	3	8	17.28

The "COTONWOOL FLEX 25 - wall and loft application" packs and pallets must be stored and kept protected from the elements including during the transportation and installation stages. The full pallets are not stackable.



COTONWOOL® an innovative product invented and manufactured in France by BUI/TEX

COTONWOOL is designed and manufactured by BUI/TEX, a French family-run company located in Cours-la-Ville (Rhône, 69) that has been recycling and upgrading textile, polyester, animal fibre, plant-based and synthetic fibre waste for more than 100 years.

Committed to sustainable development by creating bio-sourced products for buildings, BUI/TEX also makes thermal and acoustic insulation products for sectors such as bedding and automotive.