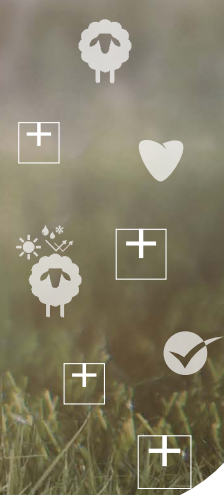


PREMIUM

Product data sheet



Item number
Density
Raw material
Application

PRE02000BR24
20 kg/m³
100% wool sustainable, durable, recyclable, without synthetic additives
Roof extension, Ceiling – overhead insulation, storey ceiling, tie-beam roof, Interior & exterior wall, Wooden construction



PRODUCT DESCRIPTION

- The compact thermal and sound insulation in high insulation thicknesses from 80 to 300 mm in one (single layer!) insulation roll. The thickness is elastic and also encloses cable ducts without further processing.
- Small excesses in width flexibly adapt to the construction.
- The insulation roll for the installation in **horizontal** and **inclined supporting structures** (rafters, frames, transoms, etc.).



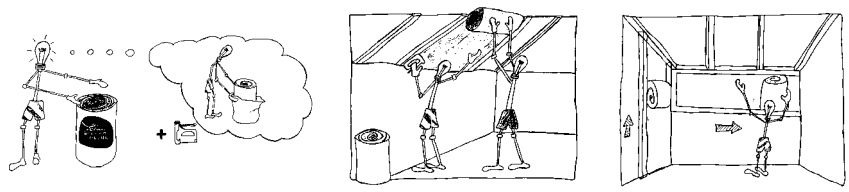
WOOL PROTECTION

- **IONIC PROTECT®** biocide-free wool protection, long-term tested by EAD/CUAP standards and patented procedure.
- Is a slight alteration of the molecular protein structure of the wool fibre through a **plasma-ion treatment**. This specific process is unique as it permanently prevents the wool from being a nutritional source for wool parasites.



INSTALLATION

- **Quick installation**, no waste and dust collect. Ideally suited for working overhead.
- Insert the insulation rolls from bottom to top and fix the surface felt to the rafters by stapling it laterally.
- The rolls can be cut to length by **tearing by hand** or with the **ISOLENA** cutting device.



PROPERTIES



Sheep wool insulation

Air purification

Humidity regulation

Sound insulation
Fire protection

Sustainable

Wool protection

PREMIUM

Product data sheet



IOLENA NEWSLETTER
 Receive relevant news every
 three weeks:
<https://bit.ly/3iKhtKg>

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FORM OF DELIVERY

DIMENSIONS*

Width: 250 – 1.600 mm in 50 mm increments (250, 300, 350, 400 mm,...)

Thickness: 80 – 300 mm in 10 mm increments (80, 90, 100, 110 mm,...)

| Article | kg/m ³ | Thickness (mm) | Width (mm) | Lengths (mm) | Item/PU | m ² /PU | PU/Pal | m ² /Pal |
|---------|-------------------|----------------|------------|--------------|---------|--------------------|--------|---------------------|
| PRE20 | 20 | 80 | 600 | 4.000 | 2 | 4,80 | 20 | 96,00 |
| PRE20 | 20 | 80 | 1.200 | 4.000 | 1 | 4,80 | 20 | 96,00 |
| PRE20 | 20 | 100 | 600 | 4.000 | 2 | 4,80 | 14 | 67,20 |
| PRE20 | 20 | 100 | 1.200 | 4.000 | 1 | 4,80 | 14 | 67,20 |
| PRE20 | 20 | 120 | 600 | 4.000 | 2 | 4,80 | 14 | 67,20 |
| PRE20 | 20 | 120 | 1.200 | 4.000 | 1 | 4,80 | 14 | 67,20 |
| PRE20 | 20 | 140 | 600 | 3.000 | 2 | 3,60 | 15 | 54,00 |
| PRE20 | 20 | 160 | 600 | 3.000 | 2 | 3,60 | 14 | 50,40 |
| PRE20 | 20 | 160 | 1.200 | 3.000 | 1 | 3,60 | 14 | 50,40 |
| PRE20 | 20 | 180 | 600 | 2.500 | 2 | 3,00 | 14 | 42,00 |
| PRE20 | 20 | 180 | 1.200 | 2.500 | 1 | 3,00 | 14 | 42,00 |
| PRE20 | 20 | 200 | 600 | 2.500 | 2 | 3,00 | 13 | 39,00 |
| PRE20 | 20 | 200 | 1.200 | 2.500 | 1 | 3,00 | 13 | 39,00 |
| PRE20 | 20 | 220 | 600 | 2.500 | 2 | 3,00 | 12 | 36,00 |
| PRE20 | 20 | 220 | 1.200 | 2.500 | 1 | 3,00 | 12 | 36,00 |
| PRE20 | 20 | 240 | 600 | 2.000 | 2 | 2,40 | 13 | 31,20 |

*Special sizes available from a minimum quantity of 4 m³ at no extra charge.



TECHNICAL DATA

| | | | | | | | |
|---|-------------------|------|------|------|-------|-------|-------|
| European technical approval | ETA-07/0214 | | | | | | |
| Nature Plus® | 0103-1006-099-1 | | | | | | |
| Thermal conductivity λ _{tr} | 0,035 W/mK | | | | | | |
| Vapour diffusion resistance factor μ | 1 | | | | | | |
| Specific heat capacity c | 1760 J/kgK | | | | | | |
| Fire behaviour according to EN 13501-1 | D-s2, d0; CH: RF3 | | | | | | |
| Degree of sound absorption with a thickness of 50 mm according to ISO 354 | f [Hz] | 125 | 250 | 500 | 1.000 | 2.000 | 4.000 |
| | α _s | 0,43 | 0,47 | 0,68 | 0,76 | 0,86 | 0,95 |
| Mould growth intensity according to EN ISO 846 | 0 | | | | | | |



ECOLOGICAL PARAMETERS

Compliant with the NaturePlus® Life cycle assessment **IOLENA**

| | | |
|--|----------|---|
| Use of non-renewable primary energy without the non-renewable primary energy carriers used as raw material (PENRE [MJ, lower calorific value]) | 23,44 | MJ/kg |
| Global warming potential Total of GHG emissions and CO ₂ storage (GWP 100 total) | 0,83 | kg CO ₂ -äquiv./kg |
| Acidification potential of soil and water (AP) | 4,63E-03 | kg SO ₂ -äquiv./kg |
| Potential for the formation of tropospheric ozone (POCP) | 8,04E-04 | kg C ₂ H ₄ -äquiv./kg |
| Eutrophication potential (EP) | 2,08E-03 | kg PO ₄ ³⁻ -äquiv./kg |

