



## Why Should I Use Gen-X®?

We understand that there is conflicting and sometimes misleading information within the market place. We hope to give our customers the true facts and information to help them make the correct choice when assessing their insulation needs.

Gen-X® is fully supported by a technical team that aims to help and guide you when you need it. **Technical Team telephone number 01925 860999.**

- **Lightweight**
- **Space-saving**
- **Minimal truss depth**
- **Minimal additional insulation**
- **FREE U-Value calculation service for purchases**
- **Combined vapour barrier in one**
- **Does not cause allergies or dust**

### Specification

|                       |  |
|-----------------------|--|
| Roll Size             | 1.2mtrs x 12.5mtrs                       |
| Thickness             | 33mm                                     |
| Layers                | 7  |
| Weight                | 13kg per roll                            |
| R-Value               | 1.9m <sup>2</sup> K/W                    |
| Resistance to tearing | 300-450N (nail shank)<br>(BS EN 12310-1) |
| Flammability          | Class 'E' BS EN ISO 11925-2              |



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### Complete Thermal Insulant, Air Leakage & Vapour Barrier In One!

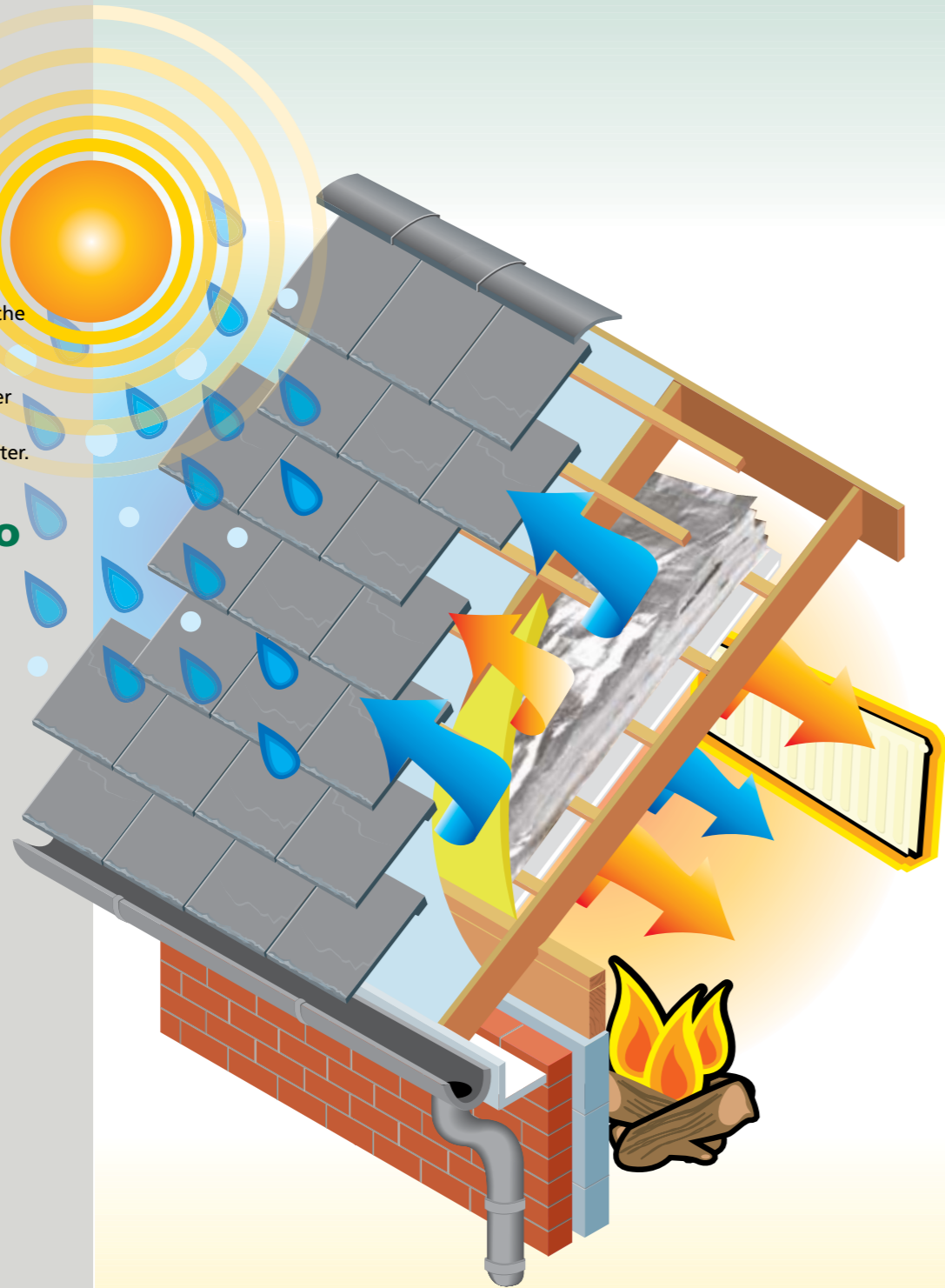


## How Does Gen-X® Work?

Gen-X® helps seal your roof against climatic elements such as wind and damp whilst at the same time retaining ventilation. Using reflective technology, Gen-X® helps prevent your roof space from overheating in summer by reflecting the electromagnetic radiation from the sun whilst retaining warmth in winter.

## What Gen-X Can Do For You!

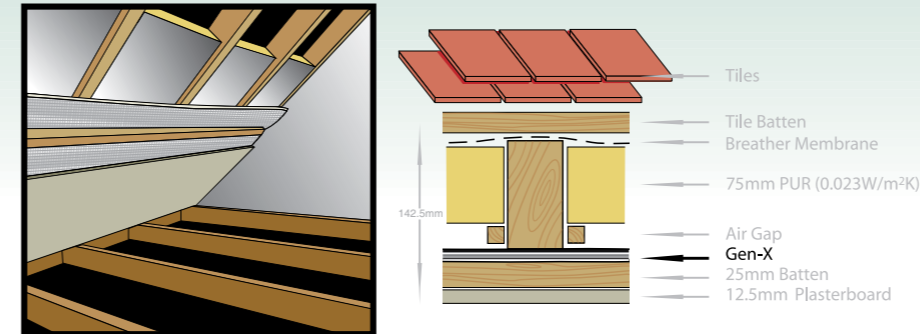
- Confidence**  
 BBA Certified  
 Part 'L' Compliant  
 NHBC Accepted
- Durability**  
 Life equivalent to that of the structure to which it is incorporated
- Help Meet Your Target Emission Rate**  
 Roofs incorporating Gen-X® can contribute to a building meeting its Target Emission Rate.
- Reduce Carbon Footprint**  
 When installed as instructed, Gen-X® will create a thermal airtight roof-space with minimal air leakage, that combined with the target U-Value achieved will give additional energy savings that will reduce your carbon emissions tremendously.
- Complete Vapour Barrier**  
 High water vapour resistance with a measured value in excess of 6000MNsg



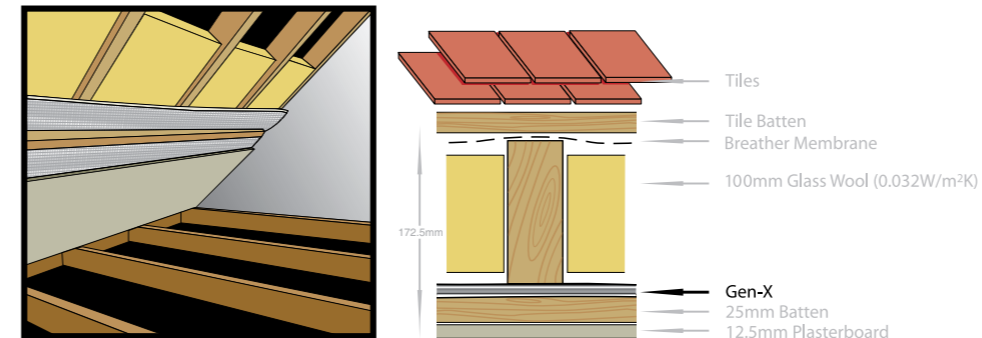
## Typical Applications with a U-Value of 0.20W/m²K

(Based on 600mm centres)

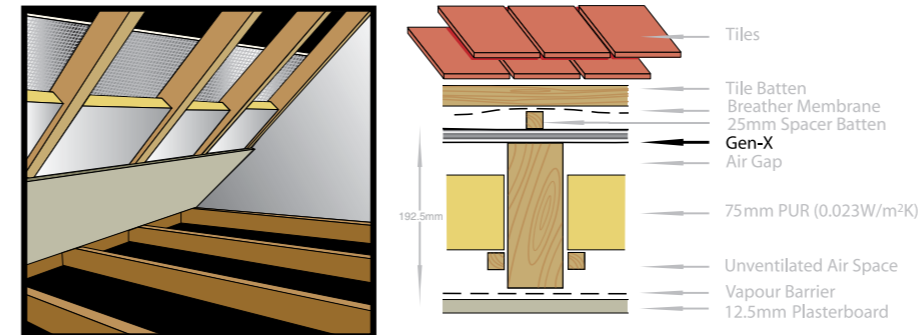
### Below Rafter Installation & PUR



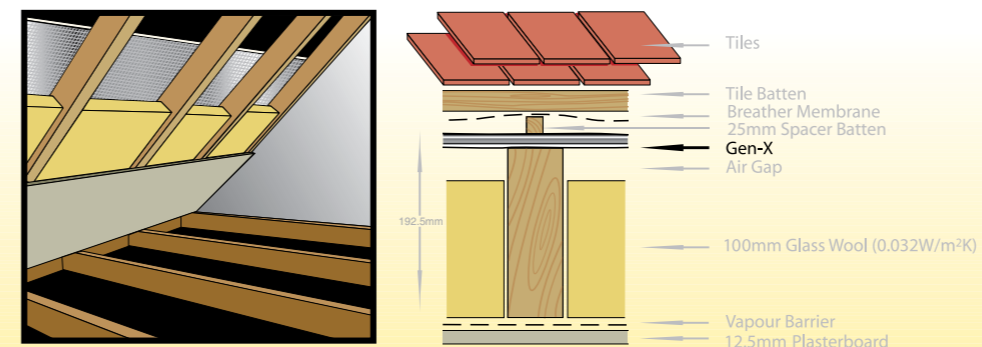
### Below Rafter Installation & Glass Wool



### Above Rafter Installation & PUR



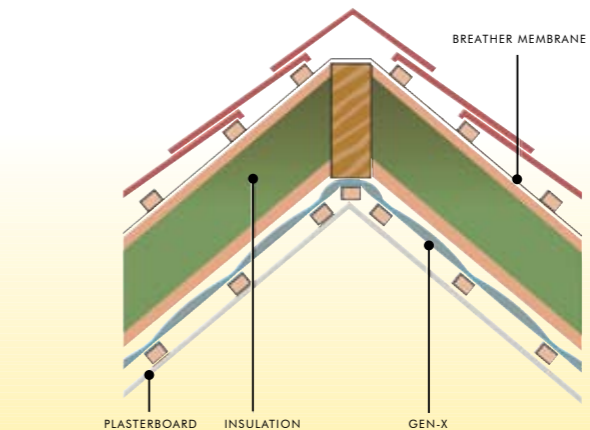
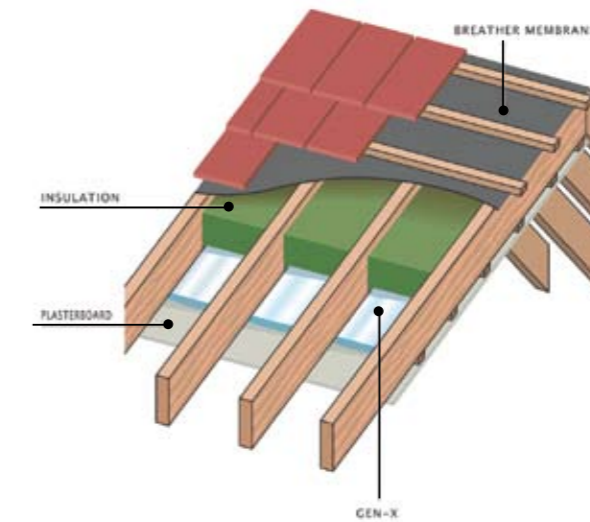
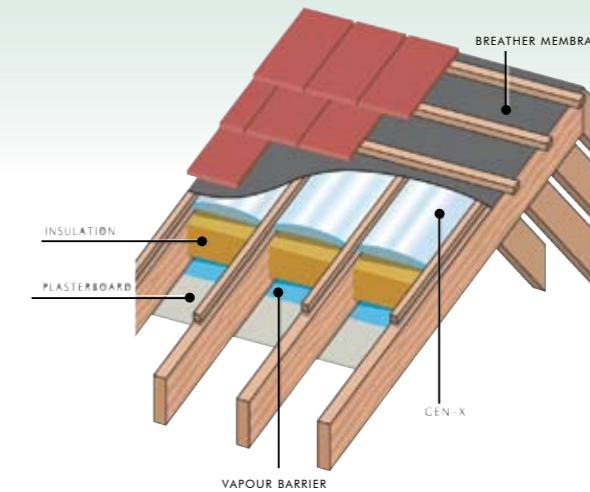
### Above Rafter Installation & Glass Wool



# Installation Instructions

## INSTALLATION ABOVE RAFTERS

- Step 1**  
Starting from the eaves. Gen-X is unrolled across the rafters.
- Step 2**  
Fix to the rafters using 14mm min galvanised staples or nails, keeping Gen-X taut between each rafter.
- Step 3**  
Permanently fix Gen-X in place by nailing or screwing to 32 x 25mm min wooden counter battens down each rafter.
- Step 4**  
Overlap next roll by at least 50mm and seal this overlap with Gen-X Tape.
- Step 5**  
Remove excess Gen-X using sharp scissors or knife. At gable ends, ridge and verges allow at least 50mm. This edge should be folded and stapled/nailed and the cut edge sealed with Gen-X Tape.
- Step 6**  
A breathable roofing membrane should be installed on the counter battens and tilings battens attached perpendicular to rafters.
- Step 7**  
Install roof tiles or slates.



## INSTALLATION BELOW RAFTERS

- Step 1**  
Starting from the ridge. Gen-X is unrolled across the rafters.
- Step 2**  
Fix to the rafters using 14mm min galvanised staples or nails, keeping Gen-X taut between each rafter.
- Step 3**  
Permanently fix Gen-X in place by nailing or screwing to 32 x 25mm min wooden battens parallel or perpendicular to the rafters. Ensure there is a 20mm min gap by fixing the batten on the 25mm face.
- Step 4**  
Overlap next roll by at least 50mm and seal this overlap with Gen-X Tape.
- Step 5**  
Remove excess Gen-X using sharp scissors or knife. At gable ends, ridge, purlins and wall plate allow at least 50mm. This edge should be folded and stapled/nailed and the cut edge sealed with Gen-X Tape.
- Step 6**  
Fix plasterboard to the battens.

## FITTING OF ADDITIONAL INSULATION

When Gen-X is used with other insulation materials, care should be taken that all air gaps are maintained in accordance with manufacturers instructions for an unventilated pitched roof.

Gen-X should be installed in accordance with BBA certificate no. 08/4543.

\*De-Rating of Electrical Cables - As with other insulation products, it may be necessary in some cases to de-rate electrical cables buried in insulation. In BS 7671:2001 it is suggested that where wiring is completely surrounded by insulation, it may need to be de-rated to as low as half its free air current carrying capacity. Guidance should be sought from a qualified electrician.