◪ **GUTEX** Thermosafe®

TECHNICAL DATA SHEET

GUTEX Thermosafe is a multi-ply laminated wood fibre insulation board with excellent insulation properties for roofs and exterior walls.

Bulk density (kg/m³)	160
Vapour diffusion factor (µ)	5
Specific heat capacity (J/kgK)	2100
Nominal thermal conductivity λ_D (W/mK)	0.038
Compressive stress/strength (kPa)	50
Air flow resistivity (kPas/m²)	100
Fire reaction Euro Class as per EN 13501-1	E
Dry manufacturing technique with designation	WF-EN13171-T4-CS(10/Y)50-MU5-AFr100

Composition

› Manufactured from untreated Black Forest spruce and fir
› Additives
  › 4.0 % white glue is used for the lamination of multiple plies

EMAS
GEPRÜFTES
UMWELTMANAGEMENT
DE114030002
DIN EN 14001:2015
ZERTAT: 22010BGUTEX00

natureplus®
No. 0104-0710-013-4

C E
04

TÜVRheinland®
CERT
ISO 9001

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Waldwirtschaft
www.pefc.de

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NATURALLY MADE FROM WOOD

☑ GUTEX Thermosafe®

TECHNICAL DATA SHEET

Joint type	Butted				
Thickness (mm)	40	60	80	100	120
Length x width (mm)			1200 x 625		
Square metres per board (m²)			0.75		
Weight per board (kg)	4.80	7.20	9.60	12.00	14.40
Weight per m² (kg)	6.40	9.60	12.80	16.00	19.20
Boards per pallet	112	68	56	42	36
Square metres per pallet (m²)	84.00	51.00	42.00	31.50	27.00
Weight per pallet (kg)	570	520	570	520	540
Nominal thermal resistance R_D (m²K/W)	1.05	1.55	2.10	2.60	3.15
sd-value (m)	0.20	0.30	0.40	0.50	0.60

German disposal category: code number as per AVV:030105; 170201

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Applications

> Above rafter insulation
> Between rafter insulation
> Insulation of top storey ceilings
> Interior insulation of ceilings, walls, floors or roofs
> Insulation of wood frame and prefab modular house sections
> Insulation of solid wood walls and masonry walls (vented facades)
> Lightweight partition walls

Advantages

> Optimum thermal insulation
> Superior thermal storage capacity provides outstanding insulation against heat in summer and cold in winter.
> Improves acoustic insulation
> Regulates humidity
> Water vapour diffusion permeable
> Quick and easy installation
> Wood is a sustainable, recyclable natural resource
> Made in Germany
> Biologically safe (natureplus® certified)

Verlegehinweise

> Store and install this product dry.
> Offset the joints if installing multiple layers.
> Install with full surface contact to substrate
> Avoid cross joints.
> Do not exceed board thickness of 60 mm under wet screed. For further floor constructions, see GUTEX Thermosafe-wd and GUTEX Thermofloor.
> For best cutting results, use GUTEX blades for jigsaws or circular saws and a vacuum fitting.
> Vacuum off the dust in accordance with applicable workplace safety regulations or practices.
> Fasten the board after placing it in position and immediately cover it for protection (depending on application with e.g. GUTEX Multiplex-top or Thermowall).

☑ **GUTEX**®
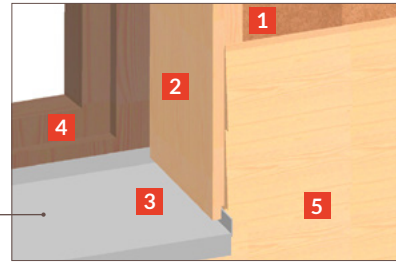NATURALLY MADE FROM WOOD

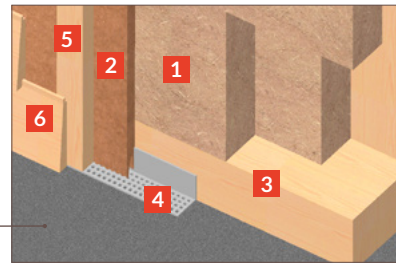# ◪ GUTEX Thermosafe®

Vented Facade Detail

Reveal

1 GUTEX Thermosafe

2 GUTEX Multiplex-top/GUTEX Ultratherm/ GUTEX Multitherm

3 Sealing strip

4 Window jamb

5 Cross battens/Venting

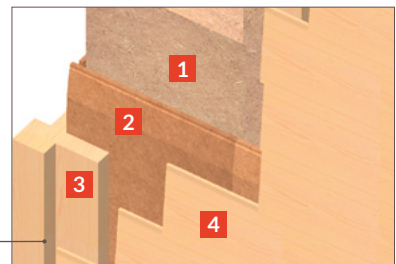**6** Timber cladding

Window Sill

1 GUTEX Multiplex-top/GUTEX Ultratherm/ GUTEX Multitherm

2 Window jamb

3 Window sill

4 Window frame
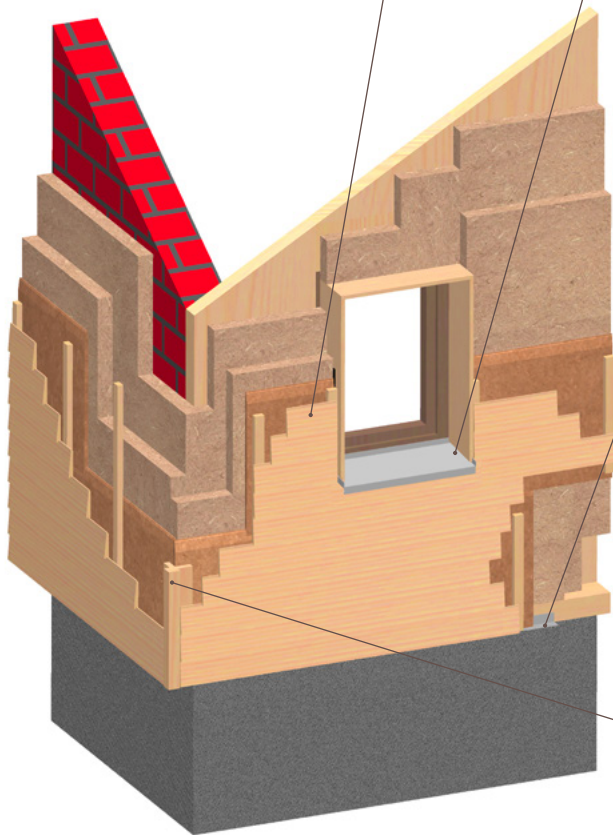
5 Timber cladding

Foundation/Wall

1 GUTEX Thermosafe

2 GUTEX Multiplex-top/GUTEX Ultratherm/ GUTEX Multitherm

3 Plate

4 Air grate

5 Cross battens/Venting
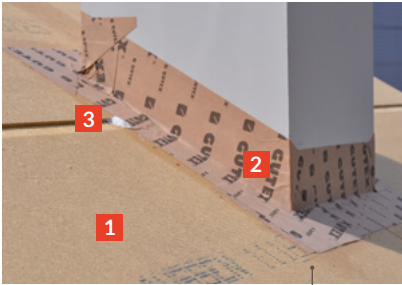
6 Timber cladding

Corner/Wall

1 GUTEX Thermosafe

2 GUTEX Multiplex-top/GUTEX Ultratherm/ GUTEX Multitherm

3 Corner bead

4 Timber cladding

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GUTEX Thermosafe®

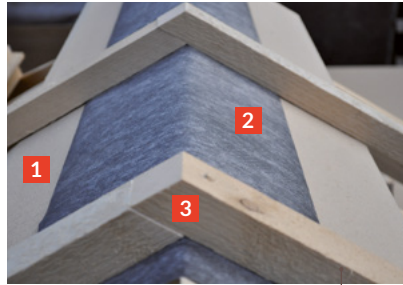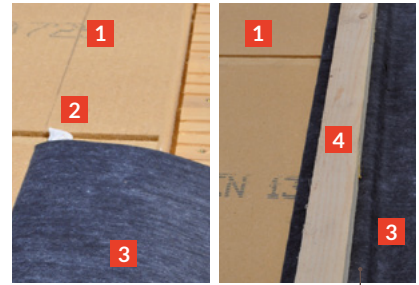## Above Rafter Insulation Detail

Roof Interruptions

1 GUTEX Multiplex-top/ GUTEX Ultratherm
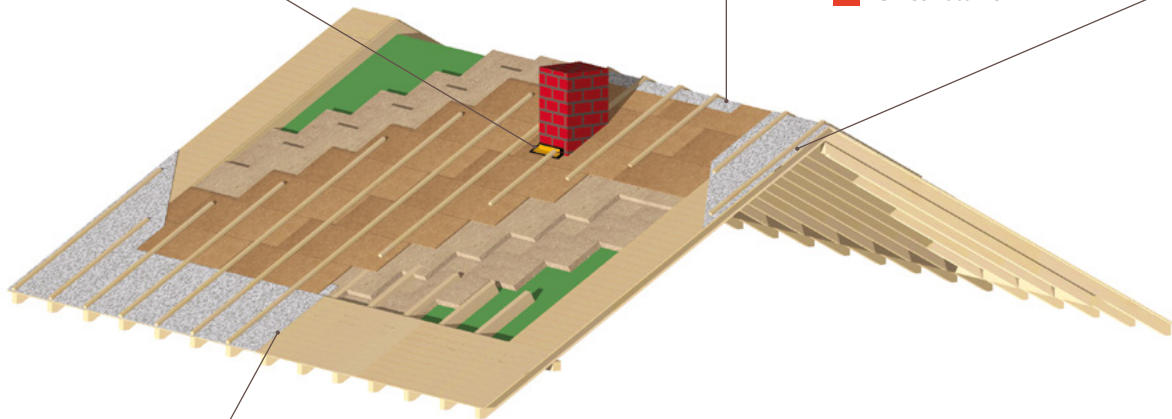2 GUTEX Joint Sealing Kit
3 GUTEX Sealing Caulking

Ridges

1 GUTEX Multiplex-top/ GUTEX Ultratherm
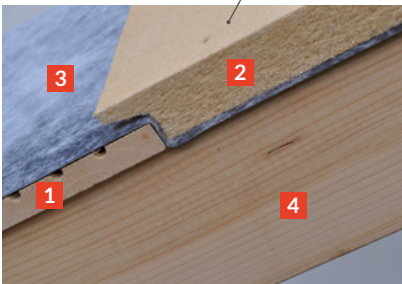2 Vapour permeable roofing felt
3 Cross battens

Gable Ends

1 GUTEX Multiplex-top/ GUTEX Ultratherm
2 GUTEX Sealing Caulking
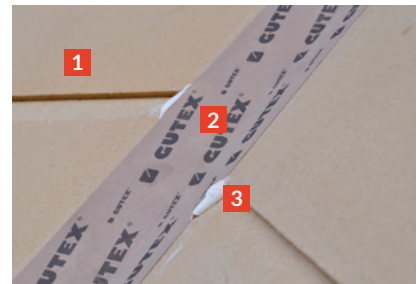3 Vapour permeable roofing felt
4 Cross battens

Eaves Variation 1

1 Sheathing of exterior overhang
2 GUTEX Multiplex-top/ GUTEX Ultratherm
3 Vapour permeable roofing felt
4 Cross battens

Eaves Variation 2

1 GUTEX Multiplex-top/ GUTEX Ultratherm
2 Vapour permeable roofing felt
3 Cross battens
4 Cross battens

Valleys

1 GUTEX Multiplex-top/ GUTEX Ultratherm
2 GUTEX Joint Sealing Kit
3 GUTEX Sealing Caulking

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Knowing you've done the right thing. That's the GUTEX effect.

THE GUTEX EFFECT