

# Typical U-Values...

## Lofts

First layer between joists, additional layers cross laid.

INSULATION DEPTH (mm)			Thermafleece NatraHemp $\lambda$ 0.040 W/mK
Between Joist	Over Joist	Total Depth	U-value W/m <sup>2</sup> K
100	140	240	0.16
100	200	300	0.13

## Pitched Roof

Thermafleece NatraHemp between and under rafter.

INSULATION DEPTH (mm)			Thermafleece NatraHemp $\lambda$ 0.040 W/mK
Between Rafter	Under Rafter	Total Depth	U-value W/m <sup>2</sup> K
170	70	240	0.18

## Flat Roof

Thermafleece NatraHemp between and under rafter.

INSULATION DEPTH (mm)			Thermafleece NatraHemp $\lambda$ 0.040 W/mK
Between Rafter	In Cross Batten	Total Depth	U-value W/m <sup>2</sup> K
150	75	225	0.17

## Timber Frame Wall

Thermafleece NatraHemp between studs.

INSULATION DEPTH (mm)			Thermafleece NatraHemp $\lambda$ 0.040 W/mK
Between Stud	In Cross Batten	Total Thickness	U-value W/m <sup>2</sup> K
140	0	140	0.29
140	50	190	0.22

## Timber Frame Wall Internal Low E Void

Thermafleece NatraHemp between studs, 25mm low emissivity void.

INSULATION DEPTH (mm)		Thermafleece NatraHemp $\lambda$ 0.040 W/mK
Between Stud	Internal Low Emissivity Void	U-value W/m <sup>2</sup> K
100	25	0.27
150	25	0.20