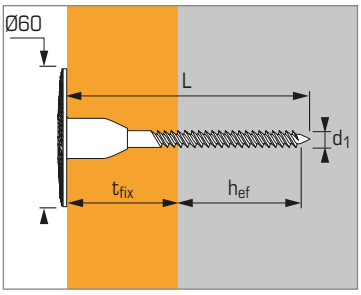
Anchor for fixing insulation on wood



APPLICATION

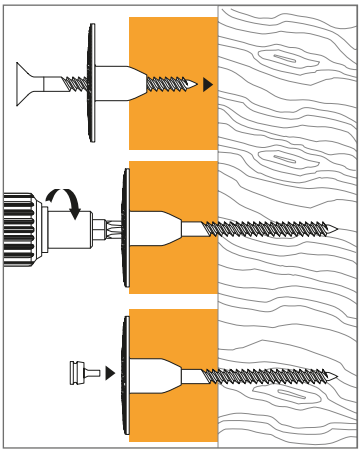
- Fixing all rigid insulation on wood
- Caps included to avoid thermal transmittance
- Setting by srewing

MATERIAL

- **Anchor head:** polypropylene[1]
- **Screw:** steel, 5 µm, Screw head Torx N° 25
- **Temperature range in use:** ≥0°C

[1]Caution: the anchor must be protected from UV rays by a screen (rendering, panelling, etc.)

INSTALLATION



Technical data

Anchor size	Anchor depth (mm) h_{ef}	Insulation thickness (mm) t_{fix}	Screw diameter (mm) d_1	Total screw lenght (mm) L	Code
Isowood 40	30	40	4,8	70	054856
Isowood 60		60		90	054857
Isowood 80		80		110	054858
Isowood 100		100		130	054859
Isowood 120		120		150	054861

Ultimate loads ($N_{Ru,m}$) in kN

TENSILE

Insulation + wood* \ Anchor size	ISOWOOD --
Insulation density 190 kg/m³	
$N_{Ru,m}$	0,76
Insulation density 265 kg/m³	
$N_{Ru,m}$	1,75

*Jobsite tests could be performed to validate the base material.

Design loads (N_{Rd}) and recommended loads (N_{rec}) for one anchor without edge or spacing influence in kN

$$N_{Rd} = \frac{N_{Ru,m}^{(1)}}{4}$$

(1) Derived from test results

$$N_{rec} = \frac{N_{Ru,m}^{(1)}}{5}$$

TENSILE

Insulation + wood* \ Anchor size	ISOWOOD --
Insulation density 190 kg/m³	
N_{Rd}	0,19
N_{rec}	0,15
Insulation density 265 kg/m³	
N_{Rd}	0,44
N_{rec}	0,35

*Jobsite tests could be performed to validate the base material.

Spacing data

ON WOOD

	Minimum distance between anchors and from edges s_{min}	c_{min}	minimum thickness of wood (mm) h_{min}
ISOWOOD	100	100	100