

# GUARDIAN ASTL

August 2024

## DESCRIPTION:

High performance telescopic tube and screw combination for tapered insulation on concrete roofs with height differences between the concrete slabs. Speeds up and facilitates work on roofs with large height differences and renovation roofs with large thickness differences in the existing roof membrane/insulation.

**Suitable for:** Sloped insulation, fastening of roof systems on concrete floor slabs with height differences and renovation projects with large differences in existing roof membrane and insulation thicknesses.



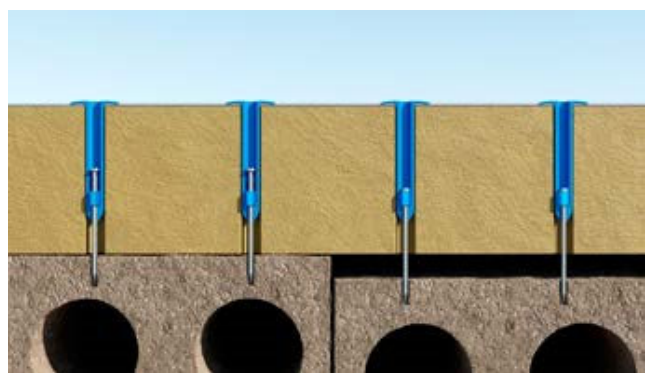
## CHARACTERISTICS:

- For use in concrete
- Coated nail
- Pre-drill:  $\varnothing$  5.0 mm
- Length: Sizes range from 70/90 mm - 340/460 mm
- Required length: Build up to +30 mm
- For use with Ergo-drill/Quatro-drill
- Sintef technical approval 2516
- ETA approval 08/02/0285



## APPLICATION:

- A hole of 5mm is drilled to the right depth into the concrete. (minimum 30 mm)
- The fastener length is determined by the roof built-up +30 mm.
- The fastener is inserted.
- The screw is tightened knocking the nail into the sleeve with a rubber hammer.
- The fastener is located at the edge of the overlap of the waterproofing membrane as indicated by the waterproofing membrane's manufacturer.



- Fastener for slope insulation.
- Integrated telescopic effect allows the insulation to be pressed in (e.g. when walked on) without damaging the roof membrane.

- Speeds up and facilitates work on roofs with large height differences in the concrete substrate.
- Speeds up and facilitates work on renovation roofs with large thickness differences in the existing roofing membrane/insulation.

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**ADVANTAGES:**

- High wind-uplift resistance
- Corrosion resistant
- Significant cost saving
- Barbed tube for maximum grip
- Covers 110 mm of tapered insulation thickness with one length combination
- Design load values: 600-800 Newton
- Specially designed for single and multi-layer bitumen roofing systems
- Made of impact resistant modified polypropylene

**WARNINGS AND BANS:**

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No
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**MANUFACTURERS CONTACT DETAILS:**

Manufacture location	The Netherlands
Legal and trading name of manufacturer	Guardian
Manufacturer address for service	Grasbeemd 14, 5705 DG Helmond, Netherlands
Manufacturer website	<a href="https://guardian.nl/en">https://guardian.nl/en</a>
Manufacturer email	<a href="mailto:info@guardian.nl">info@guardian.nl</a>
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