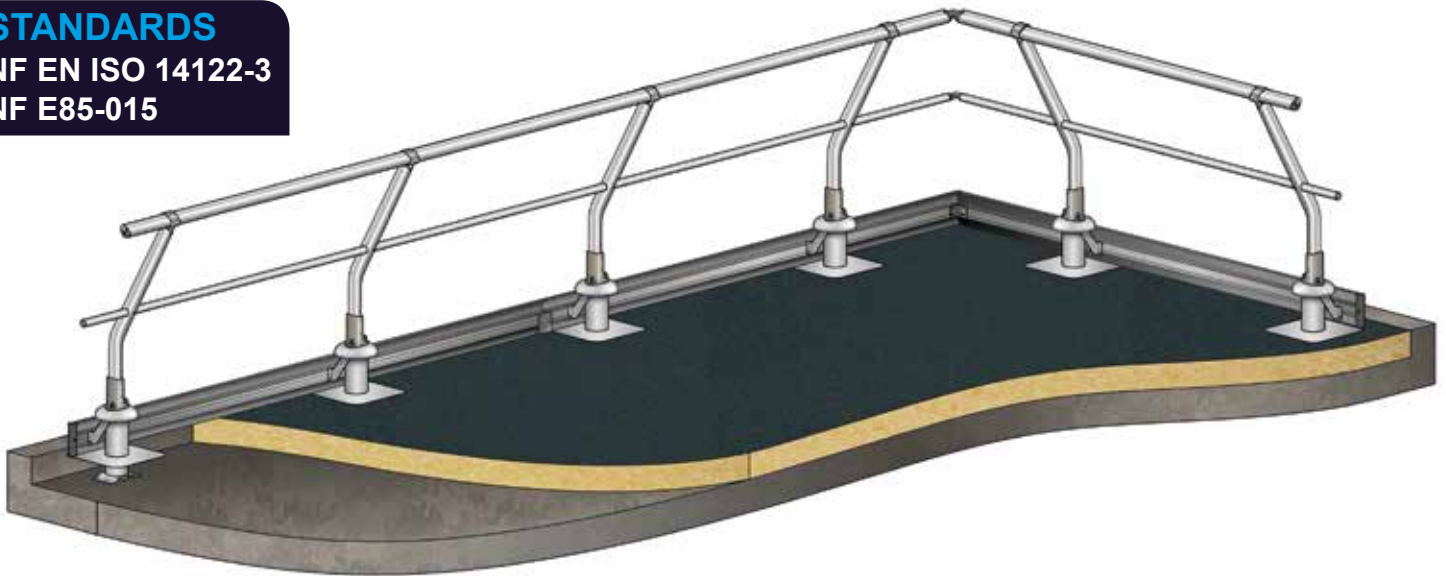


GUARDRAIL ON ROOF TO BE SEALED (D & DS-POST)

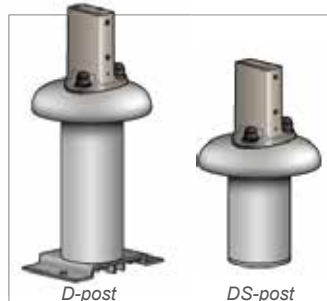
STANDARDS

NF EN ISO 14122-3
NF E85-015



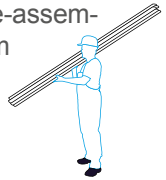
USE (cf. instructions sheet)

The VECTACO guardrail for roof to be sealed is fixed on an insulated roof slab through the waterproofing complex by way of its D-post or DS-post base. Those bases are made to measure and meet the requirements of the DTU 43.1, relative to roof terraces waterproofing standards.



ADVANTAGES

- > Quick and simple installation: delivered in a pre-assembled kit for an easier installation with an optimum waterproofing.
- > Handrails and middle rails delivered in 3 m length and by packaging of 7 for an easier handling.
- > Available in stock, short time.
- > Waterproofing kit supplied with 1 rubber seal, 2 rubber washers, 2 wide washers M10 and 2 nut covers H M10.



NEWS



The round middle rail Ø35 mm replaces the triangular middle rail for all the VECTACO range. This change leads to several modifications on the following products:

- Middle rail plastic and aluminum angles ;
- Ladder / guardrail junction kit 1000 mm
- Modification of uprights with a round and no more triangular hole
- Plastic plug Ø35 mm

New toeboard 150 mm H:

The toeboard 100 mm H is replaced by the toeboard 150 mm H with its accessories (connectors, angle kits, toeboard plugs and supports).


REFERENCES

	Straight upright	30° inclined upright	45° curved upright	Folding upright
For roof slab to be sealed D-post	VDE-D2 VDE-D3	VDE-I2 VDE-I3 VDE-I4	VDE-C2 VDE-C3 VDE-C4	VDE-R2 VDE-R3
For roof slab to be sealed DS-post	VDSE-D2 VDSE-D3	VDSE-I2 VDSE-I3	VDSE-C2 VDSE-C3 VDSE-C4	VDSE-R2 VDSE-R3

2 : handrail + middle rail / 3 : handrail + middle rail + toeboard / 4 : handrail + 2 middle rails + toeboard

GUARDRAIL ON ROOF TO BE SEALED (D & DS-POST)

TECHNICAL CHARACTERISTICS

- **Material:** aluminum
- **Processing :** raw, anodized or powder-coated on request (ral colors) 
- Adjustable handrail and middle rail angles
- Handrails and middle rails with stackable swaged plugs
- **Available with uprights:** straight, inclined, curved and folding
- **Watertightness kit:** supplied with 1 rubber seal, 2 rubber washers, 2 wide washers M10 and 2 nut covers H M10.
- **Certificate :** NF EN ISO 14122-3 December 2007
NF E85-015 April 2008



CHOICE OF FIXINGS *

2 bolts on non-cracked concrete parapet C20/25

Solution	Model
Chemical	Chemical bolts CHIMFORT M10 ATE STD IN M10
Mechanical	Mechanical bolts BARACO Crack FM 75 M10

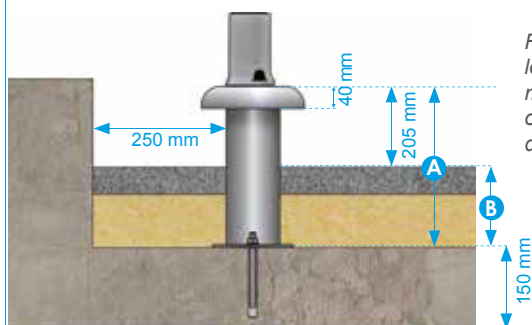
Table given as a reference for concrete C20/25. *Etanco fixings (supplied on request) – 1 CHIMFORT cartridge for 20 fixings useable with a standard silicone gun.

CALCULATION OF HEIGHT

The D-post base is fixed through a waterproofing complex, which is relatively thick. The Ds-post base, a smaller version, is better adapted to waterproofing complexes of low thickness (< 20 mm) or without insulation. Thanks to the absence of visible processing, the renewal of waterproofing is greatly simplified.

How to calculate the height of the post base?

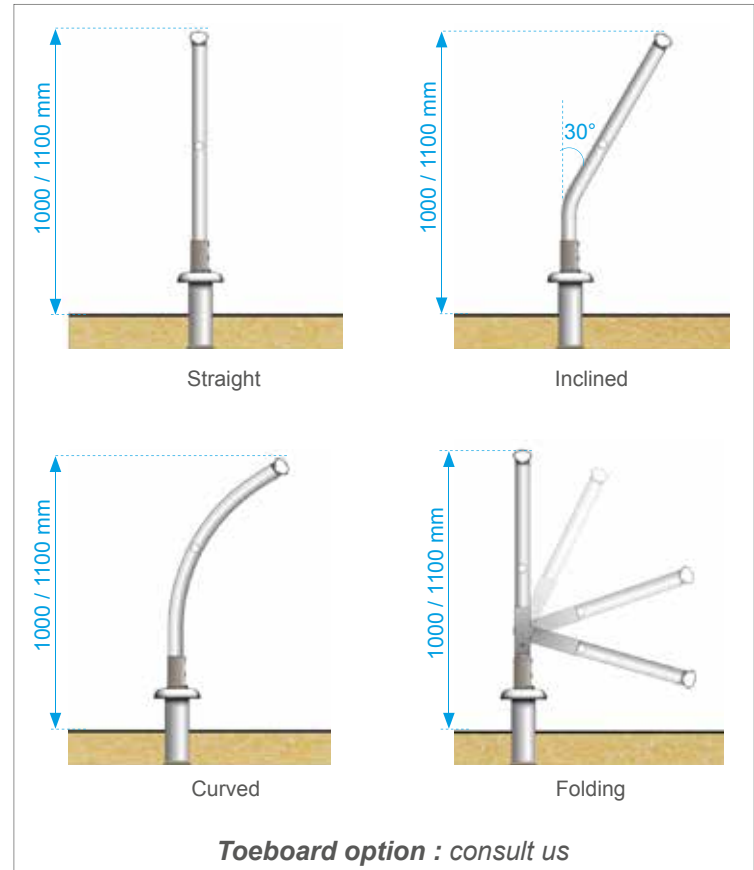
$$A \text{ POST HEIGHT} > B \text{ TOTAL HEIGHT OF THE WATERPROOFING COMPLEX (gravel included)} + 205 \text{ mm}$$



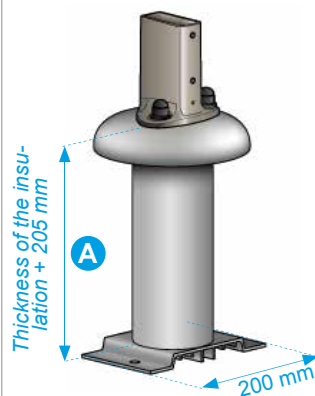
For a slab thickness lower than 150 mm, please contact our research department.

DIMENSIONS

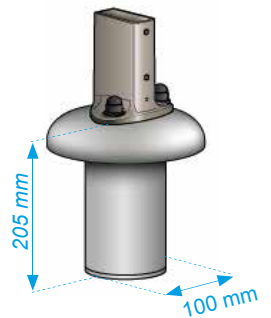
Dimensions of uprights :



Dimensions of the D-post (in mm) :



Dimensions of the DS-post (in mm) :



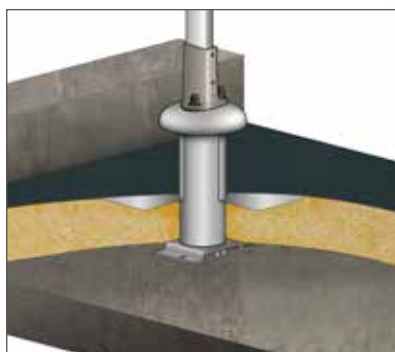
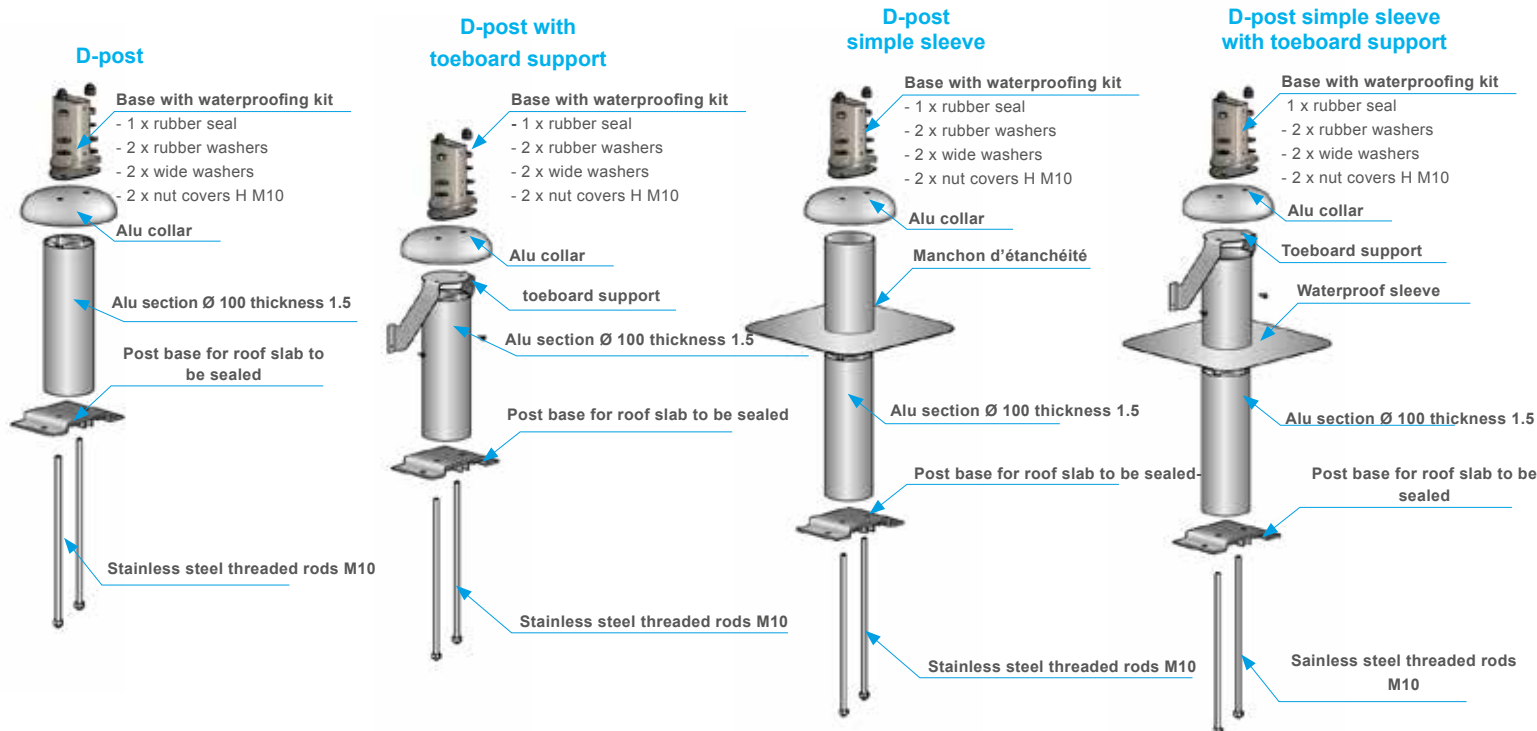
GUARDRAIL ON ROOF TO BE SEALED (D & DS-POST)



MOUNTING INSTRUCTIONS (cf. instructions sheet)

- Maximal distance between axles : 1500 mm
- Stackable and adjustable handrail and middle rail angles
- Handrail and middle rail with swaged stackable plugs
- Assembly through screw HC and supplied self-drilling screws, plug T25 and TH17 to install the D-post
- Installation following the DTU 43.1 standard, paragraph 8.7 – 1.1

DIFFERENT OPTIONS: TOEBOARD SUPPORT AND SLEEVE



D-post waterproofing simple sleeve

The simple sleeve allows the renewal of waterproofing on the D-post in compliance with the French standard DTU 43.1



D-post with thermal breaks

The D-post with thermal breaks is composed of a washer and a tube filled with expanded foam; while optimizing the thermal insulation.