TECHNICAL INFORMATION NO. 617

Capatect-Universal-Montage-Schraubdübel 617 Schlagdübel

Approved wall anchor for rail fastened External Thermal Insulation Composite Systems (ETICS)

Product Description

The "Capatect-Universal-Kragendübel" consist of a polyamide sleeve (∅8 mm) with a collar (∅16 mm) and preassembled, galvanized steel screw or nail.

Field of Application

Approved fastening of mounting rails in rail-mounted Capatect-ETICS based on EPS or mineral wool.

Material Properties

- Screw head for Bit Torx® T30
- Different lengths for all intents and purposes
- Pre-assembled expansion screw / nail
- Approved safe anchorage in bearing wall material

Colours

natural

Technical Data

See Technical Approval

Supplementary Product

- Capatect-Halteleiste 632/00, 632/01
- Capatect-Distanzstücke 634/50

Product No.

Collared Dowel with Steel Nail: **613**
Collared Dowel with Steel Screw: **617**

Shank Ø 8 mm Collar Ø 16mm
Packaging 100 (units/box)

Type: Capatect-Universal-Montage-Schlagdübel 613			
Anchorage Depth h_v 25 mm			
Approval	**Product-No.**	**Length [mm]**	**Consumption (units/m²)**
European Technical Approval: ETA 05/0009 German building approval: ABZ-21.2-1788	**613/045**	45	EPS boards 6.7 Mineral wool boards 5.3
	613/065	65	
	613/085	85	
	Category per ETA, i.e. wall materials: A = concrete B = solid bricks C = perforated bricks For weather facings: verify by dowel extraction tests on site		

CAPAROL

Type: Capatect-Universal-Montage-Schraubdübel 617			
Anchorage Depth h_v 25 mm / for aerated concrete: $h_v \geq 65$ mm			
Approval	**Product-No.**	**Length [mm]**	**Consumption (units/m²)**
European Technical Approval: ETA 04/0023 German building approval: ABZ-21.2-1769	**617/045**	45	EPS boards 6.7 Mineral wool boards 5.3
	617/065	65	
	617/085	85	
	617/105	105	
	Category per ETA, i.e. wall materials: A = concrete B = solid bricks C = perforated bricks D = porous lightweight concrete E = aerated concrete For weather facings: verify by dowel extraction tests on site		

Application

Choose the dowel length for an anchoring depth of 25 mm (65 mm for srcew dowels within AAC) in solid wall material - not within existing render/plaster or other non-supporting intermediate coats. Pull-off tests on site should be made for dowels in claddings.
Drill the dowel holes, Ø 8 mm, perpendicular to the wall, using a drill hammer (for vertically perforated bricks without hammer function). Always drill about 10 mm deeper than the required clamping depth. Clean drill hole of dust and cuts.

Insert the screw- or nail-fitted dowel through the holes in the fixing rails "Capatect-Halteleiste" into the dowel holes. Fastener distance < 30 cm. Surface irregularities up to 3 cm can be compensated with the spacers "Capatect-Distanzstück".

For 617: Tighten the screw with a standard "Torx T30" low-speed electric screwdriver (max. 400 rpm)
For 613: Knock the nail carefully into the shank without damaging the collar.

Check the dowel for a tight fit. In case the dowel does not tighten in correctly due to substrate irregularities, remove the dowel and set a substitute in an appropriate distance.

Observe the terms of "supervision of execution" inside the approval .

Advice

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