

Capatect Schraubdübel Easy 051

Plate dowel with european approval for the fixing of Capatect facade systems



Product Description

Field of Application

The "Capatect Schraubdübel Easy 051" consists of the dowel shaft \varnothing 8 mm, with pre-mounted, glass fiber reinforced plastic screw and dowel plate \varnothing 60 mm. The dowel plate is arranged flush on the insulation surface during installation.

Material Properties

Approved fixing for Capatect facade insulation boards within Capatect facade systems in suitable substrates. For insulation thicknesses from 60 mm in surface-flush installation.

- Low anchorage depth in all use categories (A - E)
- thermal bridge optimized = Chi value 0.000 W/K
- for mounting flush with the surface
- time-saving processing
- secure setting control and anchoring in all common substructures

Colours

Carbon color

Storage

Cool, dry and frost protected.

Technical Data

approval	Product-No.	Length (mm)	Anchorage depth h_{nom} (mm)	Packaging (units/box)
Capatect Schraubdübel Easy 051 European Technical Approval: ETA-16/0970 Use category according to ETA, i. e. for wall building materials: A = concrete B = solid bricks C = perforated bricks D = lightweight aggregated concrete E = autoclaved aerated concrete* Weather shell \geq 40 mm und $<$ 100 mm	051/100	100	\geq 30	100
	051/120	120	\geq 30*	100
	051/140	140	\geq 30*	100
	051/160	160	\geq 30*	100
	051/180	180	\geq 30*	100
	051/200	200	\geq 30*	100
	051/220	220	\geq 30*	50
	051/240	240	\geq 30*	50
	051/260	260	\geq 30*	50
	051/280	280	\geq 30*	50
	051/300	300	\geq 30*	50

*In Use Category E, higher tensile capacities are required at greater anchorage depths (\geq 50 mm).



TECHNICAL INFORMATION NO. 051

Supplementary Product

When installing "Capatect MW-Fassadendämmplatte 149 EXTRA, 151 EXTRA and 159 FKD-T C2" use Ø 90 mm and for "Capatect LS-Fassadendämmplatt VB 101" use Ø 140 mm "Dübelscheibe Easy".

Dowel plate color: White	
Prod.-No.	Plate-Ø
153/Easy140	140 mm
153/Easy90	90 mm

Dowel accessories:

Product name	Produkt-No.	Packaging (units/box)
Capatect Schraubdübel Tool Easy 051/02 for surface flush mounting consisting of: - 1 Setting tool - 1 Bit Torx T30	051/02	1

Product No. 051

Application

Substrate Preparation

Ensure that the insulation boards are laid flat and that the edges are glued correctly. The dowel length must be determined depending on the anchoring base, if necessary take any non-load-bearing layers and the system thickness into account.

Installation

The dowels should be installed only after sufficient solidification of the adhesive bed (approx. 1 day). The dowel length must be selected in such a way that the anchorage depth of at least 30 mm (aerated concrete at least 50 mm) in the solid wall material is given (without taking into account any old render layers or other non-load-bearing intermediate layers). Use a drilling machine (for vertically perforated bricks, sand-lime bricks and aerated concrete without percussion and hammering action) to drill the dowel holes Ø 8 mm, at right angles into the load-bearing structural member. Always drill about 10 mm deeper than the required clamping depth. Before inserting the dowel, remove drill dust from the drill hole to ensure the required anchorage depth.

Surface flush mounting:

Drill a hole through the insulation material into the load-bearing substrate. Drill hole depth for substrates of category A-E min. 40 mm at 30 mm anchorage depth. In substrate category E, drill hole depth min. 60 mm at 50 mm anchorage depth.

Combine dowels and dowel plates depending on the type of insulation material. Insert the screw dowel into the drill hole and screw in the corresponding bit or tool so that it is flush with the surface. The dowel plate must lie flush with the surface after the setting process.

Dowel length determination:

$$L_a > h_{nom} + t_{tol} + h_D$$

L_a = Dowel length

h_{nom} = necessary anchoring depth

t_{tol} = Tolerance compensation (thickness of adhesive layer) and, if necessary, non-bearing Building component layers

h_D = Insulation thickness

Advice

Approval

ETA-16/0970

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