

Capatect Schlagdübel 061

Approved plastic plate anchor for fastening insulation boards

Product Description

Field of Application	Approved impact anchor for fastening insulation boards in flush mounting in the Capatect façade systems. Depending on the installation variant and type of insulation board, additional anchor washers may have to be used.
Material Properties	<ul style="list-style-type: none">■ Telescopic plate for secure mounting flush with the surface■ Suitable for fastening fire bars■ Variable expansion zone from 25 to 55 mm for optimum setting even in critical substrates■ For all substrates (A-E)■ Absorption of large tensile forces■ Optimised for thermal bridges
Colours	black
Technical Data	<ul style="list-style-type: none">■ Material: Polyethylene anchor sleeve and pre-assembled, galvanised special expansion nail with overmoulded glass-fibre reinforced drive-in head.■ Shaft diameter: \varnothing 8 mm■ Plate diameter: \varnothing 60 mm■ Chi value: 0.001 W/K (point-related heat transfer coefficient)
Supplementary Product	Capatect anchor disc 153/VT 90 Capatect anchor disc 153/14
Product No.	061



Anchor type	Product no.	Anchor length (mm)	Anchoring depth h_{ef} (mm)	Packing (pc./box)
Capatect Schlagdübel 061 European Technical Approval: ETA-15/0208; Use category according to ETA, i.e. for wall building materials: A = concrete B = solid bricks C = perforated bricks D = Pile-porous lightweight concrete E = Aerated concrete Weather shell ≥ 40 * = Substrates A, B, C ** = Substrates D, E	061/95	95	$\geq 25^*/45^{**}$	100
	061/115	115	$\geq 25^*/45^{**}$	100
	061/135	135	$\geq 25^*/45^{**}$	100
	061/155	155	$\geq 25^*/45^{**}$	100
	061/175	175	$\geq 25^*/45^{**}$	100
	061/195	195	$\geq 25^*/45^{**}$	100
	061/215	215	$\geq 25^*/45^{**}$	100
	061/235	235	$\geq 25^*/45^{**}$	100
	061/255	255	$\geq 25^*/45^{**}$	100
	061/275	275	$\geq 25^*/45^{**}$	100
	061/295	295	$\geq 25^*/45^{**}$	100

Application

Substrate Preparation

Lay the insulation boards flat and ensure that the edges are glued correctly. Determine the anchor length depending on the anchoring substrate, any non-load-bearing layers to be taken into account and the system thickness to be fixed.

Installation

The anchor type and anchoring depth must be matched to the substrate and the system variant to be implemented.

The effective expansion zone of the anchor is 55 mm. If the holding values are not sufficient, the anchor can also be set deeper with the minimum embedment depths of 25/45 mm.

With a drilling machine (for perforated bricks as well as aerated concrete without impact and hammering effect), the anchor holes, $\varnothing 8$ mm, are to be inserted at right angles into the load-bearing component. Always drill approx. 10 mm deeper than the selected anchor length. Clean the drill hole from dust and drill dust.

Insert the pre-assembled anchor into the insulation board and drive in the steel expansion pin using the GRP plug. The anchor plate must lie flat on the insulation surface, avoid sinking into the insulation. Check that the anchors are firmly seated in the substrate. If an anchor is not properly fixed due to the substrate condition, it must be removed and a new anchor placed at an appropriate distance as a replacement.

Note:

Fastening the mineral wool boards:

Supplement the Capatect Schlagdübel 061 with the Capatect Dübelscheibe 153/VT90 ($\varnothing 90$ mm).

Fastening of mineral wool slats:

Complete the Capatect Schlagdübel 061 with the Capatect Dübelscheibe 153/14 ($\varnothing 140$ mm).

Anchor length determination:

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

L_a = anchor length

h_{nom} = necessary anchorage depth

t_{tol} = tolerance compensation (thickness of adhesive layer) and, if applicable, non-load-bearing component layers

h_D = insulation thickness

The tolerance compensation adds up to:

+ thickness of non-load-bearing layers (thicknesses of old render, HWL boards, saving facing bricks etc. if present, often the thickness of old plaster is approx. 20 mm)

+ Thickness of the adhesive mortar layer after pressing the insulation boards onto the wall (usually approx. 10 mm)

+ Additional levelling of facade irregularities

+ If necessary, thickness of reinforcement layer when fastening through the mesh

Advice

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All suggestions and application instructions herein are based on our latest technical experience. Due to the wide variety of individual project conditions, we cannot be held responsible for their content. These instructions do not release the purchaser/ applicator from his responsibility to determine the suitability of the product in consideration of the project characteristics. These instructions are to be considered void when a new edition is released. Our general conditions of sale and delivery in their latest edition apply. This document is a translation of our German Technical Information No.061 · Capatect Schlagdübel 061 · Issued: April 2022

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