

IXCONNECT AEROFIX 100 ADHESIVE INSERT

ixconnect

Häfele developed the Aerofix 100 adhesive insert as a variably adjustable screw-on point for lightweight panels with a top layer of 4 mm, also known as an adhesive dowel. The insert makes it possible to absorb high pressure, pull and shearing forces

In order to absorb the forces the Aerofix 100 bypasses the core mechanically and chemically and therefore connects the two 4 mm top layers, achieving considerably better pull-out resistance than sleeves that are fitted at one side. Possible thickness differences in lightweight panels are easily compensated for

The housing engages mechanically into the upper top layer providing a secure connection, and lies flat against the lower top layer. Therefore the mounting lugs must engage beneath the top layer

An extremely expansive single component PUR adhesive is metered by storing it in the housing in an integrated adhesive cartridge. When the insert is pushed into the drill hole, the inner element is pushed into the housing and the adhesive is forced out of the cartridge. Therefore the chemical process is triggered, without having to use additional tools to apply the adhesive. Fully cured within 16 hours

> Application:

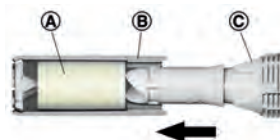
For use as variable positioned fixing point for lightweight panels with top layers from 4 mm and above and expansion option for adhesive and mounting lugs in the core

> Installation:

The Aerofix is fitted by drilling a hole in the panel from above (manually or using a machining centre CNC) and is then inserted. With continuous automatic processes the fitting is inserted from below. No additional special attached parts for gluing or applying adhesive are required

> Important:

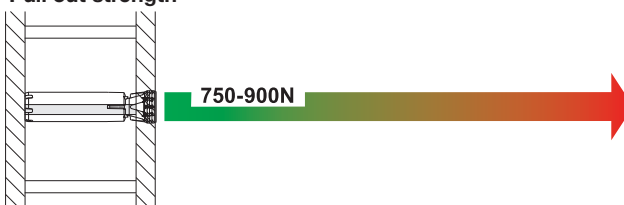
Bolts, screws and fittings can be screwed in immediately after inserting the Aerofix, but may not be subjected to full load immediately. The full load bearing capacity is not reached until the adhesive is fully cured, after approx. 16 hours



A - Adhesive cartridge
B - Housing
C - Inner part



Pull out strength



Lightweight panel with 4 mm thin chipboard top layer

> The following can be screwed into the adhesive insert:



3.5 and 4.0 mm chipboard screws



3.0 mm Varianta screws

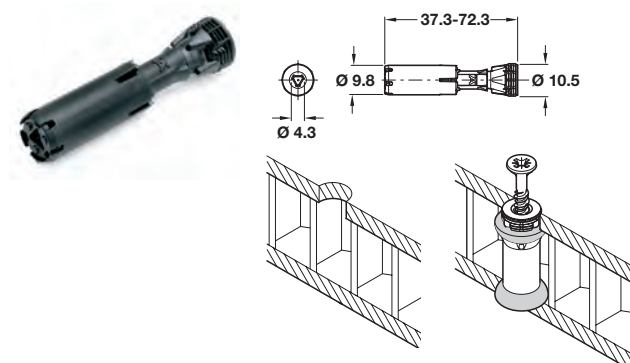


3.0 mm connecting bolts
Cat. No. 263.20.805

Application with Rafix HC



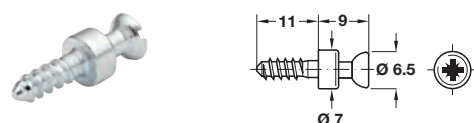
Aerofix 100 adhesive insert



- > For honeycomb panels with thin chipboard top layer of 4 mm
- > Suitable for lightweight panels without frame
- > For installation in Ø 10 mm holes
- > Black plastic, integrated single-component with PU adhesive
- > Order qty: Multiples of 100 pcs

For panel thickness	Cat. No.
25 mm	039.70.254
30 mm	039.70.304
32 mm	039.70.324
38 mm	039.70.384
50 mm	039.70.504

S20 Connecting bolt with special thread



- > For use with Aerofix 100 insert. Also suitable for use with standard Rafix housings
- > Steel
- > Order qty: Multiples of 100 pcs

Finish	Cat. No.
Galvanized	263.20.805