

fischer 

DuoLine.
The Duo of Power
and Intelligence.



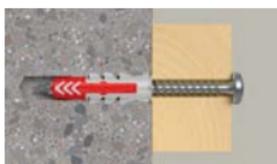
Simply clever. The combination of two components guarantees even better performance.

DuoPower

- Two component materials in red and grey for even more expansion volume and an optimally coordinated screw-in and tightening torque.
- Expands in solid building materials, folds in hollow building materials and knots in panel building materials.
- Automatically adapts itself to the requirements of the respective building material and therefore is extremely versatile to use.
- Due to the compact and short plug geometry, it needs significantly less drilling effort and shorter screws can be used.
- European Technical Assessment (ETA) for certain combinations of DuoPower and screw for maximum safety in concrete and masonry.



DuoPower short/long version



Intelligent self-activating functions depending on the base material.



Long versions with additional bite in problematic building materials.

Certificates / Features



ETA-22/0512, for multiple non-structural system in concrete and masonry

Recommendations & Applications.

Anchorage substrate:

Suitable for concrete, prestressed hollow-core concrete floor slab, solid brick, solid sand-lime brick, vertically perforated brick, cavity floor slabs made of brick, perforated sand-lime brick, hollow block made of lightweight concrete, or similar, aerated concrete, natural stone, gypsum plasterboard and gypsum fibreboard, solid gypsum panels, chipboard.

DuoPower ETA 8x40 with safety screw and FPF II are approved for concrete. DuoPower ETA 10x50 with safety screw is approved for concrete, solid brick, solid sand-lime brick and vertically perforated brick.



Applications for example:



TV consoles



Kitchen cabinets



Radiators



Extractor hood



Mirrors



Handrails

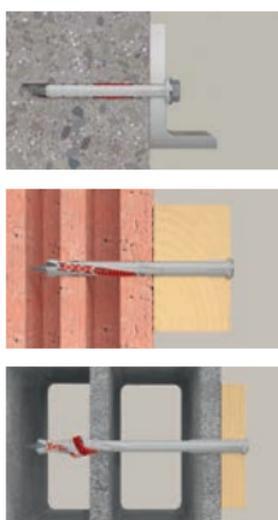
Anchoring with a smart bite, thanks to innovative combination of material and design.

DuoXpand

- The special lamella geometry expands gently in the respective building material. This avoids fractures in porous building materials and enables anchoring close to the edge.
- The European Technical Assessment (ETA) for multiple use for non-structural applications ensures secure hold in all building material classes.
- The DuoXpand is suitable for push-through installation.
- In perforated bricks, the lamellas expand at the stone web and form an undercut in the cavity. The anchor geometry ensures that the force is transferred evenly to the material, so that porous stone webs are not destroyed.
- The version with countersunk screw is particularly suitable for fastening timber to concrete and masonry. For fixing metal, the version with a wide sleeve rim and a hexagon head screw with moulded washer is recommended.



DuoXpand T DuoXpand FUS



Certificates / Features

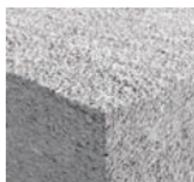


ETA-21/0324
Multiple use for non-structural applications

Recommendations & Applications.

Anchorage substrate:

Suitable for concrete, solid sand-lime brick, solid brick, vertically perforated brick, perforated sand-lime brick, hollow block solid brick made from lightweight concrete, aerated concrete.



Applications for example:



Timber substructures



Wood constructions



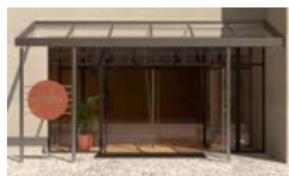
Carports



Facade substructures



Consoles



Canopies

Intelligent combination for high loads in all panel building materials.

fischer DuoTec

- Two component toggle element in red and grey (hard/soft) and flange sleeve made of glass fibre-reinforced plastics ensure high tensile and transverse loads.
- Folds in cavities behind panel building materials, even in ones insulated with mineral wool. Expands in solid building materials such as wood or concrete.
- Suitable for screws and hooks with different thread types due to its flexible screw insert.
- Simple installation with the aid of a standard diameter 10 mm or 12 mm drill bit.
- A cavity toggle with high load bearing capability in dry wall materials, especially in gypsum plasterboard and gypsum fibreboard.

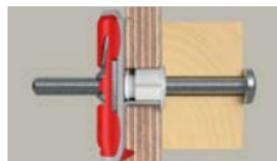


DuoTec 10

DuoTec 12



Strong toggle plug for all board materials ...

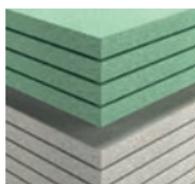
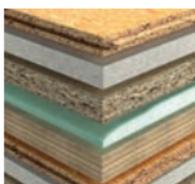


... able to handle high loads.

Recommendations & Applications.

Anchorage substrate:

Suitable for all panel building materials, for example: gypsum plasterboard, gypsum fibreboard, OSB boards, chipboard, MDF sheets, plywood boards, steel panels, plastic boards, etc. Also functioning in solid materials, such as concrete and wood.



Applications for example:



Light wall shelves



Mirrors



Light kitchen shelves



Lamps



Radiators



Washbasins

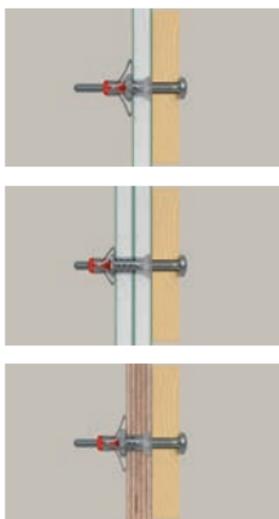
The panel plug for all common building material thicknesses.

DuoHM

- The DuoHM is suitable for panel thicknesses from 9.5 to 30 mm.
- The metal sleeve folds behind the building material and presses against the back of the panel, the nylon base body knots in the building material.
- Installation is only complete when the tightening torque is clearly noticeable and the metal sleeve is fully pressed against the panel.
- Thanks to the metric internal thread, the attachment can be fastened and unfastened several times.
- The DuoHM is mounted as a push-fit installation.



DuoHM

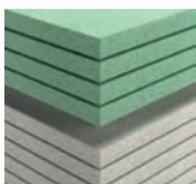


One plug length for different building material thicknesses

Recommendations & Applications.

Anchorage substrate:

Suitable for panel building materials e.g. plasterboard and gypsum fiberboards, wood wool lightweight boards, chipboard, plywood panels.



Applications for example:



TV consoles



Mirrors



Curtain rods



Shelves



Pictures



Curtain rods

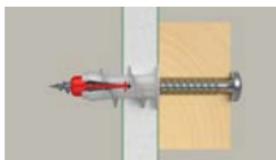
The self-drilling plasterboard plug for fast and easy installation.

DuoBlade

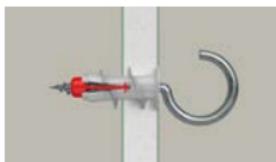
- The self-drilling fischer DuoBlade allows fast and easy installation in gypsum plasterboard and gypsum fibreboard.
- The sharp metal tip guarantees simple and safe installation.
- High torque when anchor is installed for the feelgood-factor and an optimum feeling when setting.
- The fischer DuoBlade is adapted for wood, metal and chipboard screws from 4 to 5 mm thickness as well as different hooks like the EasyHook.
- In gypsum fibreboard, pre-drilling with a drill \varnothing 8 mm is recommended.



DuoBlade



Directly fixing of screws ...

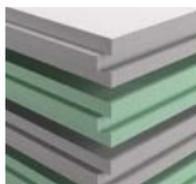


... or hooks.

Recommendations & Applications.

Anchorage substrate:

Suitable for panel building materials e.g. gypsum plasterboard, gypsum fibreboard and lightweight cement boards.



Applications for example:



Smoke detectors



Mirrors



Curtain rods



Lamps



Pictures



Curtain rods

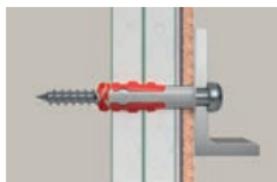
The sealing plug for wet areas.

DuoSeal

- The DuoSeal completely seals drill holes in tiles without additional sealing compound and thus prevents structural damage caused by moisture in the building material.
- The DuoSeal is ideally suited for tiled surfaces which are exposed to very frequent splash water and temporarily accumulated water. In any case, please take note of the general national regulations on the use of plugs in wet areas.
- The universal plug can be installed gently on tiles with very little effort.
- Its red component ensures a secure hold in all building materials. Thus, the DuoSeal achieves the same load values as conventional nylon plugs.
- The stainless steel screw included in the set is ideally suited for installations in wet areas and avoids rusting.
- The soft plastic rim closes the drill hole completely and flexibly adapts to the shape of the attachment part.



DuoSeal



Excellent for many building materials with tiled surfaces.

Certificates / Features

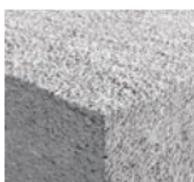
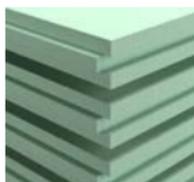
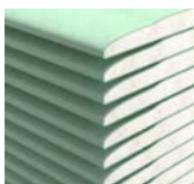
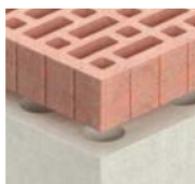


Independently tested and confirmed in accordance with ETAG 022 and DIN 18534 up to the water exposure class W3-I.

Recommendations & Applications.

Anchorage substrate:

Suitable for use in tiles or in tile joints on a wide variety of substrates, such as concrete, masonry, vertically perforated brick, plasterboard, gypsum planks, lightweight concrete (hollow block), lightweight concrete (solid block) and aerated concrete.



Applications for example:



Furnishing of bathrooms



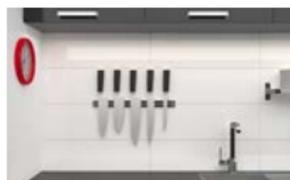
Accessories close to the washbasin



Accessories inside the shower



Fixings in dressing rooms



Wall fixings in kitchens



Tubes

DuoLine

fischer Greenline.
The first range of
fasteners with renewable
raw materials.





Dealer:



fischer stands for

fixing Systems
fischertechnik
Consulting
Electronic Solutions

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