

Product description

The Dualfix Durable cavity wall anchoring system consists of a combination of the LFN insulation plug and the Dualfix Durable drive-in anchor. It is designed for creating cavity wall connections with a masonry outer leaf. After installing the insulation material, the plugs and anchors are fixed. Once installed, the anchors are fully enclosed by the plug, ensuring improved thermal performance compared to traditional cavity wall anchoring systems.

Technical description

Plug LFN • Matériau :

- Material: PP or Nylon PA6
- Plate diameter: 60 mm
- Plug diameter: 10 mm
- Anchorage depth: 60–80 mm
- Thermal conductivity: 0.04 W/K
- Approval: ETA-06/0105
- Material: steel wire with Dualfix Durable Flexcoating, patented ArcelorMittal wire
- Wire thickness: 4.25 mm
- Tensile strength of the wire: 450–550 N
- Corrosion resistance according to ISO 9227: 1200 h (± 25 years)
- CE marking: tested according to NEN 845-1 + NEN 846-6 for the LFN / CLFN combination



Ancrage de mur creux Durable/inox aisi 304

- Driving wire length: 70 mm
- Cavity wall anchor tip: burr-free, no plug loss
- Lambda value: 50 W/mK

LFN Anchorst







Code	Anchor length (mm)	Insulation thickness (mm)	Packaging (pcs/box)
LFNPP10140	140	60-80	200
LFNPP10160	160	80-100	200
LFNPP10180	480	100-120	200
LFNPP10200	200	120-140	200
LFNPP10220	220	140-160	100
LFNPP10260	260	180-200	100
LFNPP10300	300	220-240	100

Durable 4.3mm hollow wall anchors for masonry

Code	Anchor length (mm)	Packaging (pcs/box)
CLFN220 DU	220	200
CLFN250 DU	250	200
CLFN275 DU	275	200
CLFN300 DU	300	200
CLFN320 DU	320	100
CLFN340 DU	340	100
CLFN360 DU	360	100

*Other lengths available upon request

Load capacity

	Material description tested to NEN845-1		Standard	Average load
	Dumoulin quick-build brick	adhesive block	EN 771-1	692 N
	Wienerberger rapid construction block	PLS 500 Thermobrick 10 N Powerbrick 20 N	EN 771-1 EN 771-1 EN 771-1	666 N 673 N 797 N
	Ploegsteert Thermobrick quick building block		EN 771-1	797 N
	Solid concrete block (Coeck type)		EN 206	1100 N
	Calcium-silicate brick Xella KS 20		EN 771-2	1780 N
	Concrete C20/25		EN 206	1280 N

All tensile, compressive strength, and load-deformation tests were carried out by an independent laboratory. Report: 15-Pro67-NL.

The notified body No. 0957 SKG-IKOB conducted these tests in accordance with:

- NEN 845-1
- NEN 846-5 Tensile load
- NEN 846-6

Furthermore, the tensile load of the anchorage in the external wall was tested

Description	Tensile load
Early-strength mortar, 50×45 mm on façade brick	2150 N
2 mm adhesive joint, 45 mm overlap on façade brick	6500 N

Installation



Drilling 9 mm: hollow materials
Drilling 9.5 mm: solid materials



Install the plug using a hammer



Position the Dualfix Durable anchor



Drive the anchor in using the appropriate setting tool (Anchor length – Plug length + 10 mm)