

Cavity anchor information



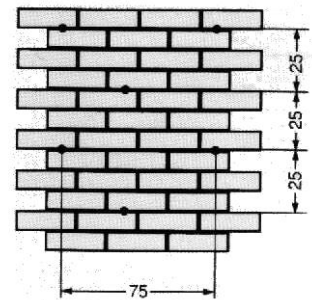
To comply with: DIN 1053 – extract from November 1996 edition

For cavity walls, at least 5 stainless steel cavity anchors should be used per square metre in accordance with DIN 17440, mat. no. 1.4401 or 1.4571. The fact that 3 additional anchors are required for the edges of buildings should be taken into account.

The distance between the wire anchors should be no more than 500 mm vertically, and no more than 750 mm horizontally. The thickness of the anchor wire depends on the height of the building and on the size of the wall cavity.

The minimum thickness is 3 mm.

For walls that are higher than 12 m above ground level or where the gaps between the walls are more than 70 mm to 120 mm, a minimum of 5 anchors with diameters of 4 mm are to be inserted. If the gaps between the walls are more than 120 to 150 mm, a minimum of 7 anchors with diameters of 4 mm or 5 anchors with diameters of 5 mm are to be inserted.



The length of the anchor should be measured in such a way that the anchor is embedded 50 mm into the masonry and a further 25 mm is bent round.

The thickness of the cavity and the thickness of the insulating material must be added.

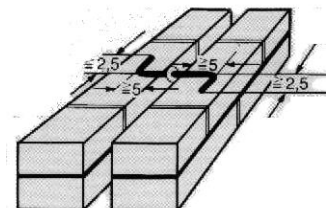
The internal size of the gap between the walls must not exceed 150 mm!

The cavity should be a minimum of 60 mm (exception 40 mm). 8.4.3.2 a.

LM 36 is necessary if wire anchors are embedded in lightweight mortar. Wire anchors in LM 21 lightweight mortar require a different fixing method.

The information above applies to wire anchors.

Other types of anchor, e.g. plug anchors or flat rolled steel anchors are acceptable if their workability is proved to be in accordance with the supervisory building regulations, e.g. by a general supervisory building authorisation.



BEVER wall and cavity anchors meet all the requirements set out in the DIN 1053 standard.

Examples of application:

Z-shaped cavity anchors with drainage disc for fixing in cavity walls without insulation

L-shaped cavity anchors with drainage disc and clamping disc for fixing in cavity walls whilst fixing insulation

Plug anchors with drainage disc and clamping disc for additional plugging whilst fixing insulation

