

MOUNTING INSTRUCTIONS



SANDWICH PANEL ANCHOR SYSTEM | TVH

PANEL TIE - STRAIGHT HAIRPIN

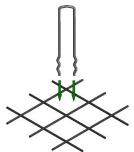


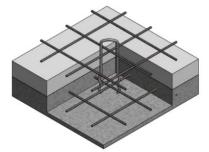


PLACING THE STRAIGHT HAIRPIN "TVH"

The straight TVH hairpin is installed when the concrete of the outer layer still exhibits sufficient plasticity. The pin is pushed down into the wet concrete, ensuring that the minimum anchoring length for the waved end is met (> 50mm). The hairpin is then slightly pulled back to prevent the ends from showing when the face of the concrete is washed out, blasted, polished or has an otherwise structured finish. The minimum embedment depth of the closed end in the inner layer is equal to the mounting depth of the bearing anchor (TFA or TMA). After installing the pins, it is necessary to vibrate and compact the concrete to fully eliminate any air pockets.

Note: contact between the poker vibrator and the installed sandwich panel anchors must be avoided during the compaction process.

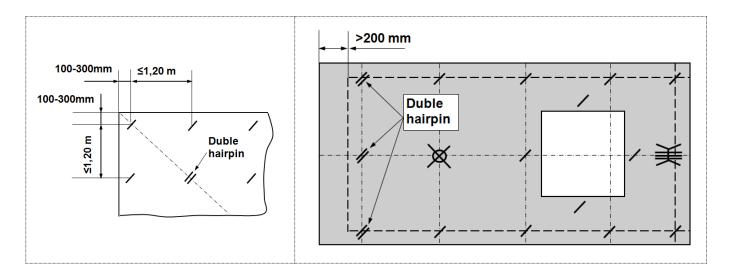






POSITIONING OF THE PANEL TIES

The panel ties are type tested. A special dimensioning of these restraint hairpins is not necessary when they are used in combination with a bearing anchor, manchet or plate anchor if the following situations are observed:



The maximum distance between hairpins must not exceed 1.2 m. For large adhesion forces to the formwork, such as textured finishes, the maximum distance between hairpins must not exceed 0.9 m. The positioning grid for the hairpins must not exceed or fall below the ratio 3:4 or respectively 4:3.

The second hairpin at the diagonal must be double. If a manchet anchor or a plate anchor is placed in that position, the use of a double hairpin can be avoided.

Normally the outer layer projects more than 200 mm. In that case, double hairpins with d = 4.0 mm are to be used for the first vertical row.



CONTACT



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