VIR Internal Head Restraint

Data Sheet
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Head Restraints

These types of products are generally used to restrain the tops of free standing walls by tying them securely to an overhead structure, thus preventing sideways movement.

Product

VIR Internal Head Restraint

The VIR head restraint is designed to restrain the top of the inner leaf of cavity walls.

The VIR allows vertical movement between the inner leaf and the structure by using a tubular sleeve which sits in the vertical joint and a tie section which is bolted to the soffit and slides within the sleeve the foot of the tube section is built into the bed joint with the vertical joint being filled either side of the tube.
Vista recommend using an M8 M.D. Anchor when fixing into concrete and either a M8 Isolated setscrew (universal beams) or M8 H.S.M. bolt (hollow sections) into structural steelwork..
The VIR is available with a variety of head options ie slotted, holed or notched (to suit cast-in channel) and are capable of restraining loads up to 1.5kN they are generally positioned at 450mm or 900mm centres depending on the load at the head of the wall.

Installation

1. Mark position of VIR, position tie, mark then drill holes.
2. Build inner leaf up to penultimate course.
3. Reposition assembled VIR and fix using the selected fixing ensuring the anchor is tightened to the correct torque.
4. Continue to build last course ensuring joints are filled with mortar.

Tightening torque:
M8 M.D. Anchor – 15Nm
M8 Isolated setscrew – 14Nm
M8 H.S.M. Bolt – 25Nm

Safety Precautions

VIR head restraints are manufactured from sheared plate and strip and may contain sharp edges. Suitable personal protection should always be used when handling/installing these products.

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