INSTALLATION GUIDE

OBEX CORTEX FR®

0270FR

Score'N'Snap Cement Board

Class A1

OBEX®

Important Notes

» Where required by design, breather membranes should be compliant with BS 5250. These are readily available from the OBEX CORTEX range. It is the responsibility of the installer to check the compatibility of their products with the OBEX CORTEX board system. OBEX CORTEX Membrane Systems have been checked and are compatible with the OBEX CORTEX board system.

» To ensure the correct OBEX CORTEX products are used, please check with the OBEX team prior to install.

» The OBEX CORTEX 0270FR board can be curved to a radius of 2m. The 0270FR board should be curved before installation. Increased support or reduced centres of the framing may be required depending on the radius of the curve. Fine cracks may appear in the surface and core of the board during installation. These will not adversely affect the performance of the system.

» OBEX CORTEX 0270FR is a score and snap cement board which combines the durability and water resistance of cement boards with the workability and speed of Gypsum boards. A retractable safety knife can be used to cut the board along with the appropriate personal protective equipment.

» The frame to which the board is fixed must be structurally sound and constructed in accordance with the relevant building regulations and standards using framing grade timber or galvanized steel framework.

» Studs should be a maximum of 600mm centres.

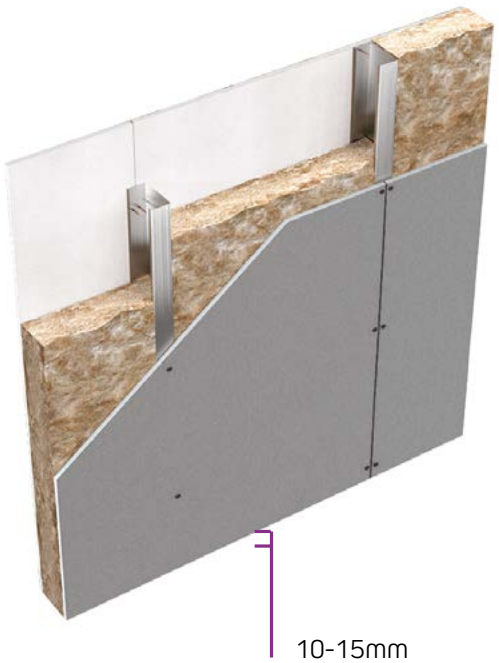
» Damaged boards must not be used.

» A suitably trained operative should supervise the installation of the board and supporting structure to ensure the quality of workmanship.

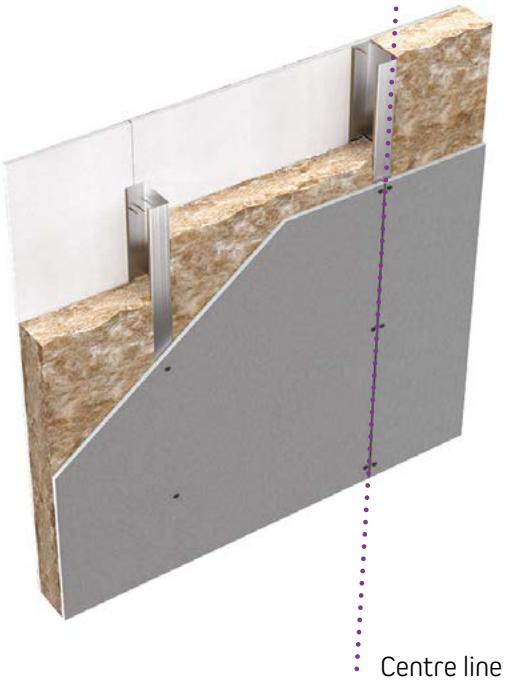
» OBEX CORTEX 0270FR Board is suitable for all façade types such as - Brick, Stone, Rainscreen Cladding, Timber, Render Systems and Metal Cladding.

» Consideration of wind loading calculations may be required and should be completed by a competent engineer.

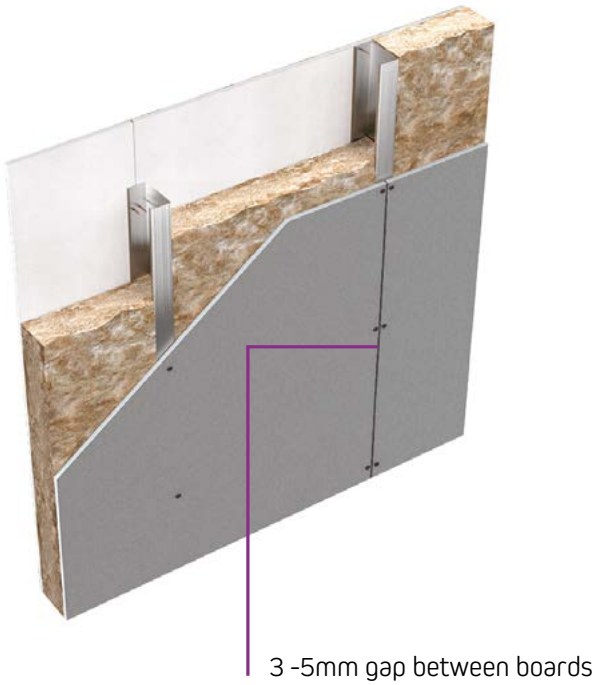
1 Once the desired dimensions have been marked on the board, using a suitable knife, score the board with a single firm cut on one side ensuring the mesh has been cut. Firmly bend and snap the board along the initial cut, and then cut the mesh on the reverse side.



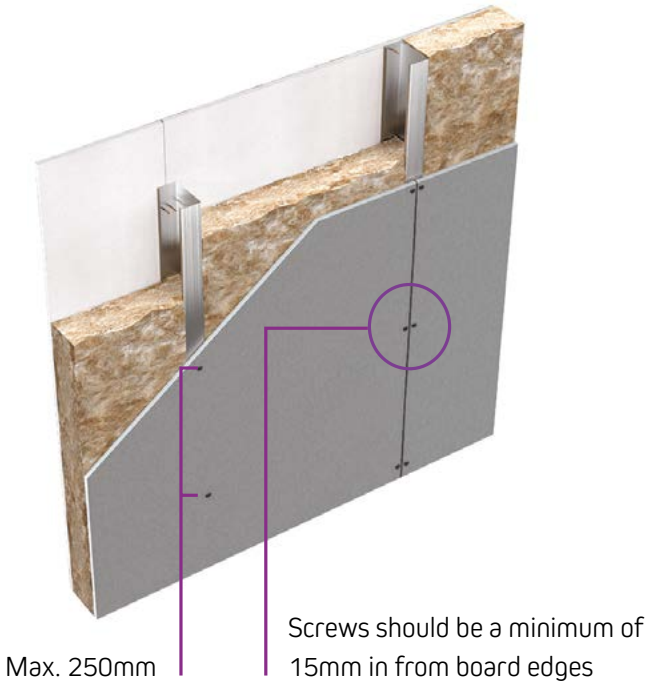
2 Boards should sit 10-15mm above any deck or slab to avoid standing water. An offcut of board can be placed underneath the board to ensure this is achieved.



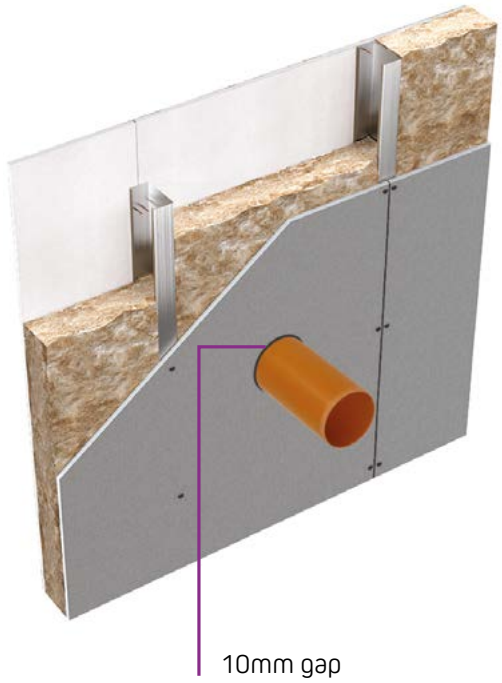
3 Offer up the board into position, ensuring the edges of the board are just shy of the centre line of the framing member to leave the recommended 3-5mm gap.



4 Horizontal and vertical joints should be staggered. When fixing adjacent boards,leave a gap of 3-5mm between the boards to ensure correct installation. Board joints should not coincide at the corners of any windows, doors, or openings.

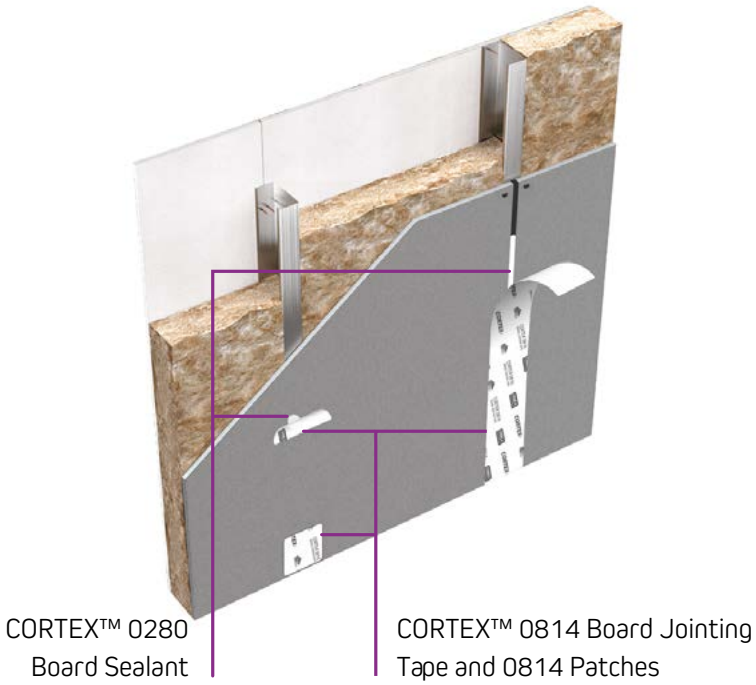


5 0290FR Screws should be used to fix the board to the support framing (for steel up to 3mm thick). Screws should be a minimum of 15mm in from the board edges, spaced at a maximum of 250mm centres and must not be over-tightened. (Screws should penetrate a minimum of 10mm through steel and 25mm into timber). The board should not be fixed into expansion head track.

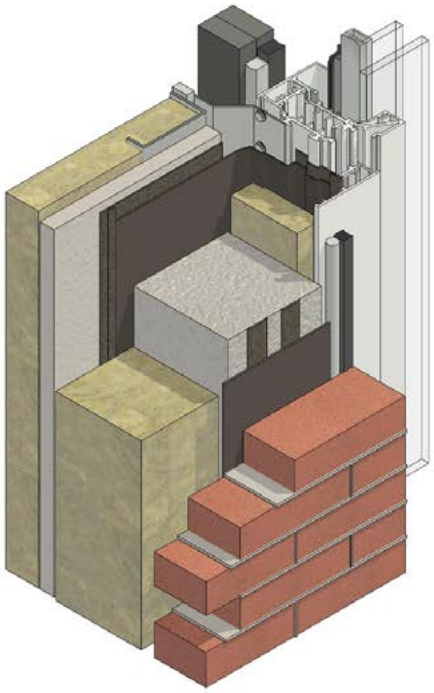


6 For service penetrations such as pipework or ducting, a hole shall be cut 10mm larger than the penetration. The gap around the service item shall be sealed using approved fire stopping materials.

7 For EI60 compliance, all board joints and fixing heads should be sealed using OBEX CORTEX 0280 Board Sealant.



8 Additional weather performance can be achieved by applying the OBEX CORTEX 0814 tape over the joints sealed with 0280 sealant. Where EI60 is not required, OBEX CORTEX 0814 Board Jointing Tape & Patches may be used to seal the joints and fixing heads.



9 The perimeter of the framing sections of windows, doors, and other openings shall be sealed from the board to the RC or steel structure using a suitable ISM (Interface Sealing Membrane) from the OBEX CORTEX range. For relevant buildings, membranes used as part of the external wall construction must achieve a minimum of B-s3,d0 according to EN13501-1.

Additional Points

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