

NEXUS XI® BRICK-FACED SOFFIT AND LINTEL SYSTEMS INSTALLATION GUIDE

Brick-Faced Soffit Systems

NEXUS XI soffit units are designed to be simply lifted and bolted to pre-installed Ancon MDC brick support angles. Each soffit unit comprises a stainless steel carrier with integrated Ancon channel to simplify installation to the brick support angle.



SOFFIT INSTALLATION GUIDE

This video highlights the benefits of the system and demonstrates how quick and easy it is to install. [Scan the QR code to watch the video.](#)



LINTEL INSTALLATION GUIDE

This video highlights the benefits of the system and demonstrates how quick and easy it is to install. [Scan the QR code to watch the video.](#)



STEP 1

Install MDC **NEXUS XI** masonry support system in line with Ancon MDC Masonry Support Systems Installation Guide to the point where the fixing bolts are fully torqued.



STEP 3

Add washer and nut to bolts and finger tighten onto angle. Ensure the T-head bolt is fully turned and engaged in the channel.

If the angle is correctly levelled there should be no need to add shims between the soffit unit and the angle. If however shimming is required then they should be added now. Horseshoe shims must 'surround' the bolt and extend for the full contact area between soffit unit and angle. They must NOT be placed in any other location other than around the bolt as this will lead to deformation of the angle when the bolts are torqued.

NOTE: The bolt should have a minimum of two threads visible above the nut, if shimming has reduced this clearance, longer bolts will be required.



STEP 2

Place the **NEXUS XI** soffit unit's T-head bolts in the 28/15 channel to align with the slots in the angle and lift the soffit unit to the underside of the masonry support angle.

The soffit unit should continue to be supported through steps 3 and 4.



STEP 4

Once satisfied with the line and level of the soffit unit, the bolts should be torqued to 20Nm.

The support to the soffit unit can now be removed.



STEP 5

Brickwork should then continue on the masonry support system in line with normal bricklaying practice and the Ancon MDC Masonry Support Systems Installation Guide.

NOTE: The movement joint in soffit hung details is below the soffit unit. Compressible material should be placed below the soffit unit and NOT between the angle and soffit unit.

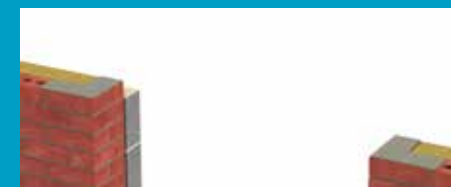
STEP 6

Point soffit unit to match main brickwork.

STEP 1

Raise the inner and outer leaves simultaneously to avoid excessive eccentricity of loading, with a maximum height difference of 225mm. Masonry should be laid on a full mortar bed and all perpendicular joints should be fully filled.

Allow the mortar to cure before applying floor or roof loads.



STEP 2

Lintels must be suitably propped during construction at approximately 1 metre centres. On small openings, a central prop can be used. A board should be used between lintel and prop to protect the finished surface and spread the load evenly.



STEP 3

Lintels should be installed with at least 150mm end bearing and be fully bedded on bricklaying mortar.

Ensure lintel is level along the length and width.



STEP 4

The NHBC, PD6697 recommends a damp-proof course (DPC) or cavity tray is installed over all openings in external cavity walls.



STEP 5

Weep-holes should be provided in the outer leaf above the lintel to drain moisture from the cavity. A minimum of two weep-holes should be provided per lintel. For fair-faced masonry, weep-holes should be provided at centres not greater than 450mm.



STEP 6

Precautions must be taken to prevent mortar dropping through the cavity onto the lintel and obstructing the weep-holes.

STEP 7

Brick slips should be pointed using the same mortar as the rest of the brickwork, but only after the full load has been applied to the lintel.

