

LINTEL INSTALLATION / SITEWORK

STORAGE AND HANDLING

Lintels are to be stored on site on a level dry surface. Lintels damaged in transit or on site must not be used.

INSTALLATION

Lintels should be installed with at least 150mm end bearings, be fully bedded on bricklaying mortar and levelled along and across. Bearing areas should be properly prepared using full bricks or blocks. If using limited bearings, please consult our Technical Department.

Inner and outer leaves supported by the lintel must be raised together to avoid excessive eccentricity of loading. Masonry above lintels should be allowed to cure properly, before applying floor or roof loads. The lintel toe should project past the window head and have a flexible

sealing compound between the underside of the lintel and the window head to prevent water penetration.

SUPPORT DURING INSTALLATION

All single skin lintels e.g. SWHB lintels, must be propped during construction to counter any rotational forces which may occur whilst the masonry is in a green condition. Props should be removed only when full restraint is achieved. It is also important to ensure brick/blockwork is built against the vertical web of the lintel to limit these forces.

COMPATABILITY WITH OTHER BUILDING MATERIALS

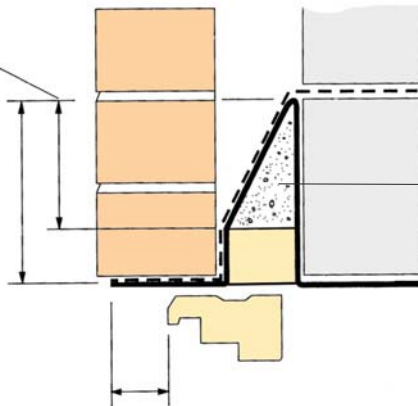
Mortar used must comply with the requirement of BS 5628.

GOOD BUILDING PRACTICE

1. During installation of steel lintels, it is essential that the loadings on outer and inner flanges do not exceed the ratio stated, e.g. 1:3. 1:5 without prior consultation with our Technical Department.
2. For outer: inner flange load ratios of 1:3, 1:5 or above, it is essential that inner leaf blockwork is built against the inner web of the lintel wherever possible.

100mm sloping face with min. 140mm rise to support dpm

Minimum 140mm



Lintel toe projects beyond window head

For Thermal performance requirements to parts L1&L2 building regulations.

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