

THE USE OF MOVEMENT ACCOMMODATION JOINTS IN CERAMIC WALL TILE INSTALLATIONS

The British Standards relating to wall tile installations are B.S. 5385 Part 1 : 1995 for Internal Application and B.S. 5385 Part 2 : 1991 for External Applications. The following notes are intended to act as guidelines and are derived from the relevant sections of the standard.

When deciding upon the siting and types of movement joints numerous factors have to be taken into consideration. These include:

- Building materials used in construction
- Degree of temperature variation likely
- Stability of the base structure
- Risk of exposure to water or chemical agents

This list is **not** exhaustive and individual installations may involve factors specific to that installation. Because of this it is not possible to present a set of definitive rules regarding the use of movement accommodation joints.

There are, however, certain situations common to most installations where movement accommodation joints should be incorporated:

- Structural movement joints existing in the wall must be continued through the adhesive bed and tile surface - applies to internal and external use.
- Where a tiled surface abuts other restraining materials - applies to internal and external use.
- At junction points between different materials when tiling is continuous across this point - applies to internal and external use.
- In large indoor tiled areas movement accommodation joints should be installed in vertical internal corners and at 3.5 m to 4 m centres both horizontally and vertically - applies to internal use.
- Tiles should not bridge the joints between sheet materials used as a background - applies to internal use.
- At storey heights horizontally and approximately 3.5 m to 4 m centres vertically - applies to external use.
- Where structural material changes occur e.g. horizontal joint at top and bottom of floor slab, vertical joints at internal corners and at junction with columns - applies to external use.
- At external angles - vertically and within 0.25 m and 1 m from the angle - applies to external use.

APPLICATION OF SCHLÜTER-SYSTEMS MOVEMENT ACCOMMODATION PROFILES IN WALL TILE INSTALLATIONS:

Structural movement joints in substrate:

Schlüter®-DILEX EZ 70, Schlüter®-DILEX MP+MPV

Surface movement accommodation joints:

Schlüter®-DILEX BWB, Schlüter®-DILEX BWS, Schlüter®-DILEX KS

Stress relieving joints in tiled surfaces:

Schlüter®-DILEX EZ

Internal corner situations:

**Schlüter®-DILEX-EKE, Schlüter®-DILEX-EK, Schlüter®-DILEX-HK,
Schlüter®-DILEX-HKW**

Where tiling abuts other restraining materials:

Schlüter®-DILEX-BWA

The Schlüter®-Systems range of movement accommodation profiles is the most extensive on the market and solutions are available to practically every problem likely to be encountered.

For further details of the range or to seek expert technical advice regarding any tiling installation please contact our Office.