MOVEMENT JOINTS INSTALLATION GUIDE

In order to cope with thermal expansion and contraction, along with general movement on larger buildings, we recommend the use of EUROSIX movement joints on any long continuous lengths of roofing or vertical sheeting that extends over 45 metres in length.

COMPONENTS

- Straight movement joint pieces are 3000 mm in length
- Cranked ridge movement joint pieces have a girth of 1300 mm and come in 5°, 7.5, 10°, 12.5°, 15°, 17.5° and 22.5° degrees
- Movement joint stop ends
- Movement joint two piece ridge caps

APPLICATION

Movement joints are intended for use in long, continuous stretches of roofing or vertical sheeting, to accommodate thermal and other movements.

BS 8219 recommends that movement joints should be included in stretches of roofing and vertical sheeting on buildings exceeding 45 metres in length.

For buildings in which the temperature or humidity is higher than normal, or which are subjected to sudden changes in temperature, the movement joints may be required at closer centres than indicated.

RECOMMENDED SPACINGS

LENGTH OF BUILDING	NUMBER OF MOVEMENT JOINTS
0-45m	0
45-75m	1
75-105m	2

Plus one extra movement joint for every additional 30m.

The installation of EUROSIX movement ridge pieces also requires a 25-30 mm gap to allow for movement (Fig.3)

CRANKED MOVEMENT JOINTS

A 25-30 mm movement gap should be cut when laying a ridge piece (detailed in Fig. 1) and cover it with a cranked movement joint (range of pitches available), which will need to be fixed directly onto the ridge purlins. More details can be found in Fig.2.

When laying the straight movement joint, the top end should butt up to the overlay of the ridge piece. The cranked movement joint should be longer than the ridge piece allowing it to correctly overlap the straight movement joint. More details can be found in Fig.2.

When using movement joints with adjustable ridges (all types), see Fig.3.

MOVEMENT JOINT STOP ENDS

Intended to close the open end of a movement joint at the eaves detail, stop ends are made to fit over the sheeting into a straight movement joint. They should be fixed by bolting to the movement joint.

KEY INFORMATION

EUROSIX fibre cement sheeting directly below the movement joint should be cut through the central valley of the corrugation in order to allow correct fitting of the movement joint. Each pair of half sheets are then set so they are 25-30 mm apart. It is essential that you do not simply space the sheets apart (please see Fig.1).

A movement join is correctly positioned above the sheeting when the top end butts up to the corresponding bottom edge of the next upslope end lap sheet with a minimum end lap of 150 mm.

Purlins should be used to secure all segments of the movement joint in the same way as the fibre cement sheeting. One fixing line should be located at the centre of the movement joint on each purlin run.

Fixings must go through the gap created between the fibre cement sheeting (never fix movement joints through the sheets, always through the gap provided).

Fig 1

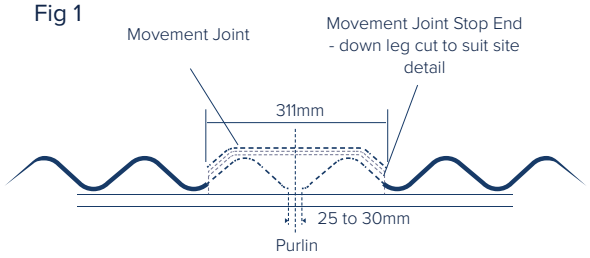


Fig 2

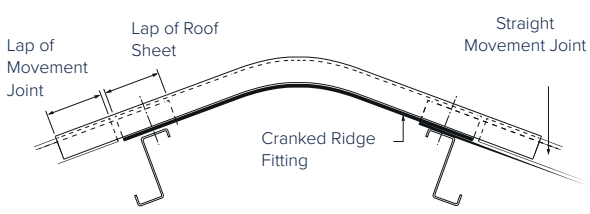
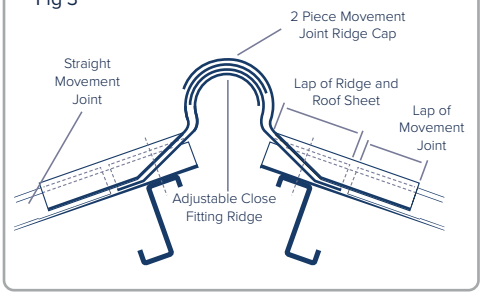


Fig 3



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