

# 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 (length: 3000mm)
- Cranked ridge movement joint pieces (girth: 1300mm)  
5, 7.5, 10, 12.5, 15, 17.5, 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.

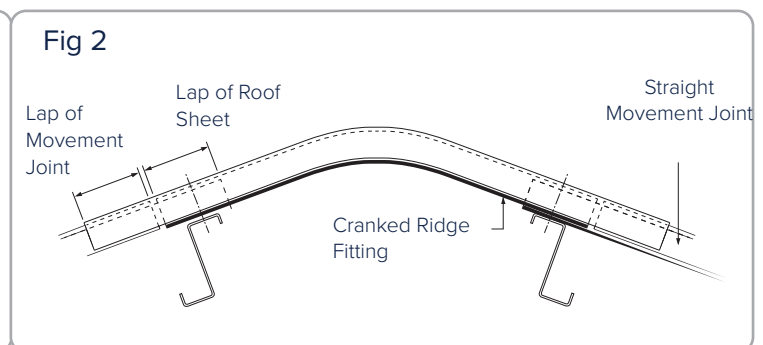
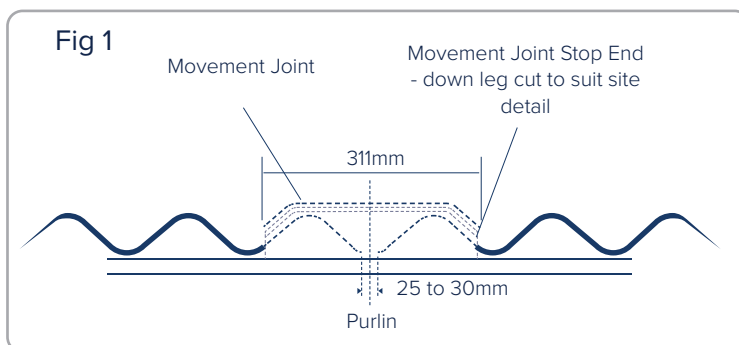
For buildings in which the temperature or humidity is higher than normal, or which are subjected to sudden changes in temperature, the movement joints may be required at closer centres than indicated. Contact the Briarwood Products Technical Department for further advice.

## MOVEMENT JOINT FORMATION

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 25-30mm apart.

A movement joint 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 150mm.

Purlins should be used to secure all segments of the movement joint in the same way as EUROSIX roofing sheets. 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 EUROSIX sheeting (never fix movement joints through the sheets – always through the gap provided).



## MOVEMENT JOINTS FOR SINGLE AND BUILT UP ROOFS

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- 30mm gap to allow for movement (Fig.3)

### CRANKED MOVEMENT RIDGE PIECES

Are available in a range of pitches to suit the EUROSIX range of ridge pieces. When laying EUROSIX ridge piece form a 25-30 mm movement gap as detailed in Fig.3 and cover it with the cranked movement joint, fixing directly onto the ridge purlins. **NOTE** when laying the straight movement joint the top end should butt up to the overlay of the EUROSIX ridge piece. The cranked movement joint being longer than the EUROSIX ridge will then correctly overlap the straight movement joint. Two piece ridge caps are also available.

### MOVEMENT JOINT STOP ENDS

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

