

# Technical Datasheet - Expansion Joints

## Optimax Aluminium Heavy Duty - MSA

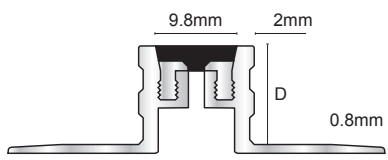
### Product Description

Genesis MSA is an innovative Heavy Duty Aluminium Movement Joint. The Santoprene infill can be removed and replaced thus saving expensive replacement of the joints.

### Dimensions and Colour

All Movement Joint are 2.5m in length and available in 8mm, 10mm, 12mm, 15mm, 18mm and 22.5mm depths depending on profile. See Movement Joint Colour chart for available infill colours.

### Range



### Aluminium AA 6063 T6 / UNS A96063 anodised to DIN 17611

Si%	0.2-0.6
Fe%	0.35
Cu%	0.1
Mn%	0.1
Mg%	0.45-0.9
Zn%	0.1
Ti%	0.1
Cr%	0.1
Al	Balance

### Where to use Movement Joints

Movement Joints must be installed in certain areas and positions to prevent tiles debonding from the Substrate, industry guidelines suggest that the maximum field should be no more than 10m in each direction but in practice, depending on the individual applications it tends to be between 5-8m. British Standards (BS) 5385 covers the requirements and methods for movement joints applications. Part 3: 1989-Section 3-19.1.1 states the building designer should assess the magnitude of any stresses and decide where movement joints should be located taking into consideration all the relevant factors. Movement Joints must be installed directly above any changes in substrate or movement joints/Gaps in the substrate



### Performance

British Standard BS 5385 recommends that a Joint should be able to absorb 20% of the width of the Joint in movement accommodation; these Joints far surpass the minimum requirement. The movement Joints fit this criteria for expansion and compression on a lateral basis.

### Maintenance

To achieve the most favorable performance, please follow the maintenance instructions below.

1. Regular maintenance of the Profile will help prolong the life of the product. A build up of dirt and grease can prove hazardous and also affect the appearance of the profile.
2. Firstly, any excess dirt should be removed by using a quality vacuum cleaner or a soft bristle brush. A harsh bristle will mark the material.
3. The profile should then be cleaned by using a soapless, neutral detergent in warm water on a damp cloth. They should then be rinsed with clean water, again using a soft, damp cloth.
4. Polishes will reduce anti-slip properties and solvent cleaners are not suitable

### Installation

1. Ensure the correct Depth of Profile is selected according to the tile depth.
2. Using a suitable Notched Trowel spread Tile Adhesive onto the floor in accordance with the manufacturers guidelines.
3. Firmly bed the adhesive into the adhesive in the correct location - make sure that the adhesive penetrates the holes in the flange.
4. Spread the adhesive over the the anchoring legs and bed the tiles firmly into the adhesive (best practice is for the profile to be approximately 1mm lower than the Tile).
5. A grout joint should be left between the tile and the profile.

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