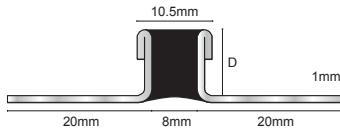


MHS

Product Datasheet 6.19



Stainless Steel Heavy Duty Movement Joint



Product Description

Genesis MHS is a heavy duty stainless steel movement joint providing heavy duty protection to the edge of the floor covering and a hygienic environment.

Dimensions

Available in 2.5m lengths and 25mm and 40mm widths.

Test Data

Strength Test	
Point Loading	154N
Compression @ 20%	140N
Compression @ 30%	226N
Extension @ 20%	77N
Extension @ 30%	102N
Shear resistance @ 5mm	83N

Chemical Composition

Stainless Steel AISI 304 / DIN1.4301 Surface BA1	
C%	0.2-0.6
Mn%	2.0
Si%	0.1
P%	0.75
S%	0.045
Cr%	0.03
Ni%	18-20
N%	10.5

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

Stainless steel is a corrosion resistant chromium/nickel alloy steel that is strong and durable with excellent lustre. However, it is not rustproof, particularly in the harsh environment of a swimming pool. Chlorine and bromine used for sanitization are highly caustic chemicals for stainless steel and heat and humidity enhance the corrosiveness of these chemicals. Regular cleaning is the best way to prevent corrosion and add to the service life for your profiles and any other stainless steel equipment. The goal of your cleaning and maintenance program should be to keep the stainless steels protective chromium oxide layer intact. This is what prevents corrosion at varying stages of contamination.

Where to use

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.

Installation

1. Select MHS width according to the desired effect either 25mm or 40mm.
2. Trowel tile adhesive over the area.
3. Press the MHS profile into place and align on top of the already laid tile.
4. Solidly embed the tiles so that the tiled surface is flush with the top of the profile, the profile should not be higher than the tiled surface.
5. Fill the joint completely with grout.

+44 (0)1642 713000 info@genesis-gs.com
www.genesis-gs.com

 **Genesis**
For the Perfect Finish