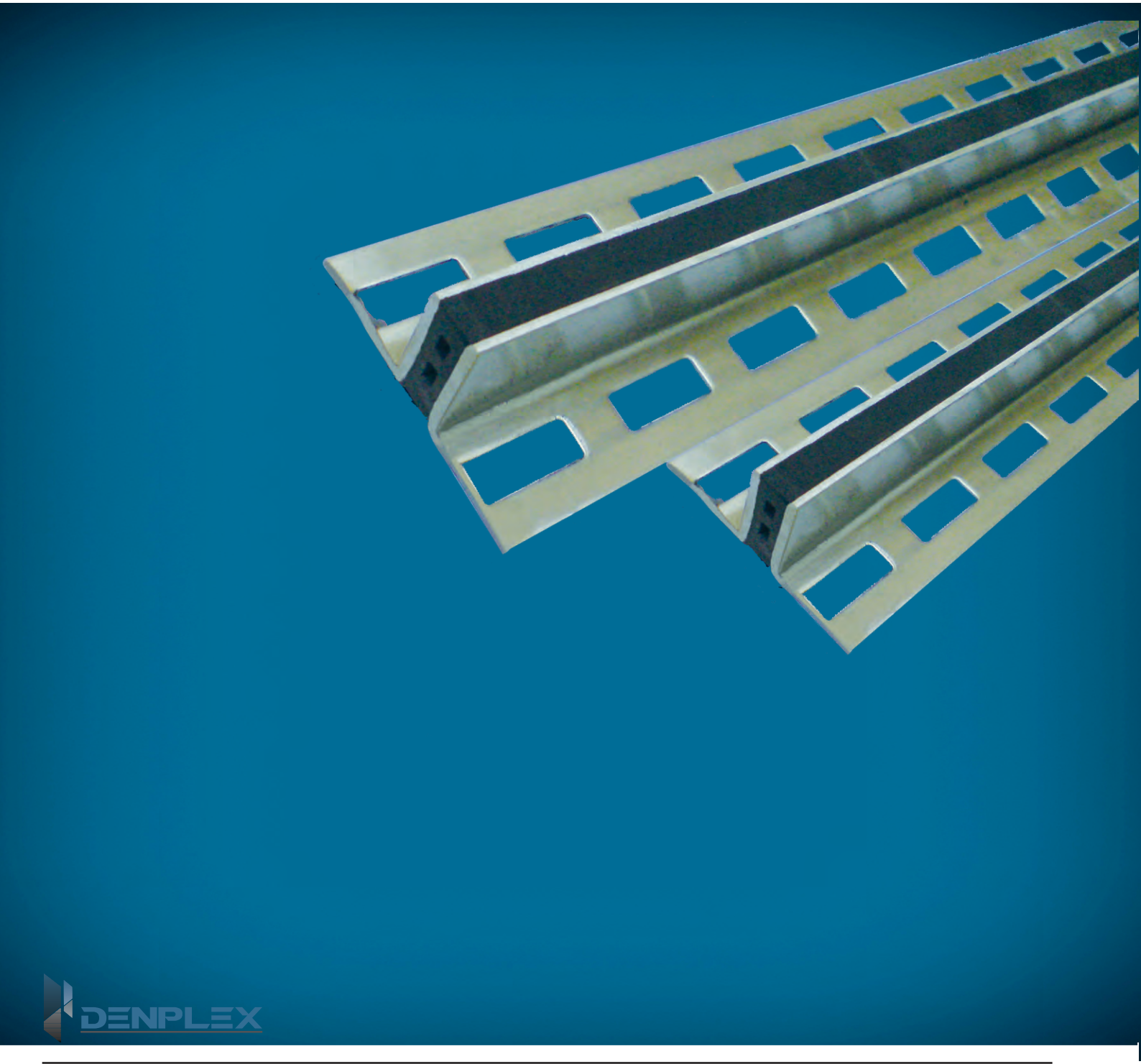
DENPLEX

MOVEMENT JOINTS

Movement Joints



Movement Joints

For Large Tiling Area

DENPLE manufacture tile movement joints that are used on floors and walls to protect edges and to accomodate movements and local stresses such as drying shrinkage, thermal variation, transient loading etc.

The need for tile movement joints can be best explained by seeing the photograph shown.

As you can see sealant failure is a common problemand can well be avoided using tile joints.

Usually sealants are used for the economic viability and easiness in application. However due to their poor load bearing capacity, sealants often fail resulting in cracks and fissures along the line of application. TIle movement joints are the best suited replacement for such situations and suitable for use with ceramic, terrazzo, marble, stone and other similar materials.

Beta Contech movement joints are manufactured using high quality brass, stainless steel or plates bonded to a synthetic rubber insert.

These are made in accordance to the following international standards:

Country	Standard	Recommended Bay Sizes Internal	External
USA	ANSI A108.1 installation of ceramic tiles.	6.0m-8.0m	3.6m-4.8m
UK	BS 5385:Part3:1989 Code of practice for the design and installation of ceramic floor tiles and mosaics.	8.0m-10.0m	4.5m-6.0m
FRANCE	NF P 61.202 / DTU 52.1 Sealed floor coverings NF P 14-201-1/ DTU 26.2 Treads and tiles to bases of hydraulic binders.	6.0m-8.0m	3.5m-4.0m
AUSTRALIA	AS 3958.1 - 1991 Guide to the installation of ceramic tiles.	8.0m-10.0m	4.5m-6.0m

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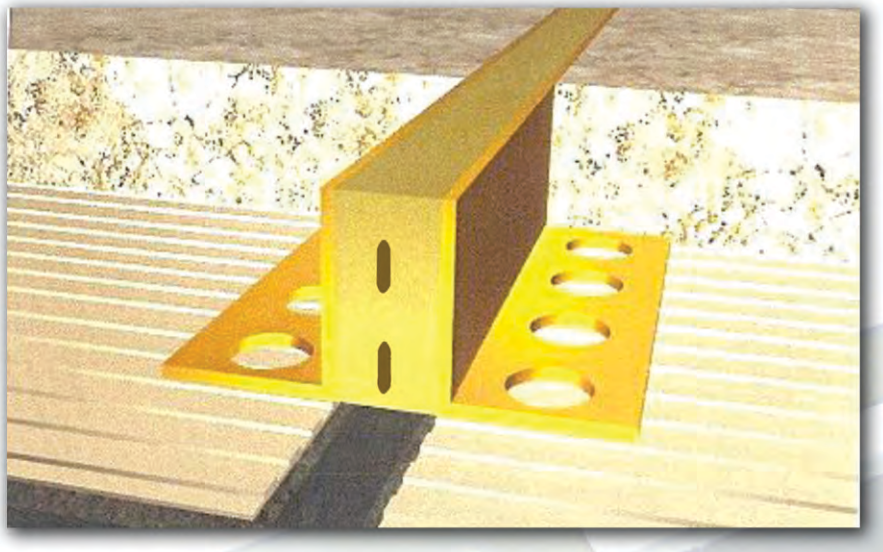
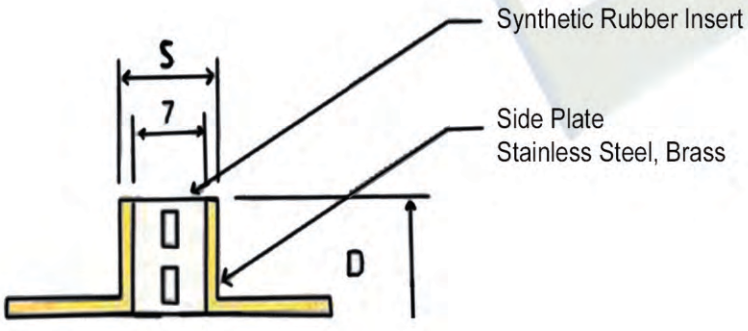


Movement joints DMJ 01

Denplex movement joints AST1 is manufactured using 1.5mm side plates of brass, stainless steel bonded firmly to a synthetic rubber insert of 7mm.

The side plates range from 20mm onwards to maximum of 40mm in height and another smaller height can be ordered and can be specially ordered for a greater thickness for heavyduty application.

Rubber inserts are available in Gray, Beige and Black as standard colours. All profiles are fabricated for a cut length of 2.44m



Model	Joint Depth (D)		Sight Line (S)	
AST1-025	1"	25mm	3/8"	10mm

Note: Another Joint Depth (D) available on request

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Movement Joints

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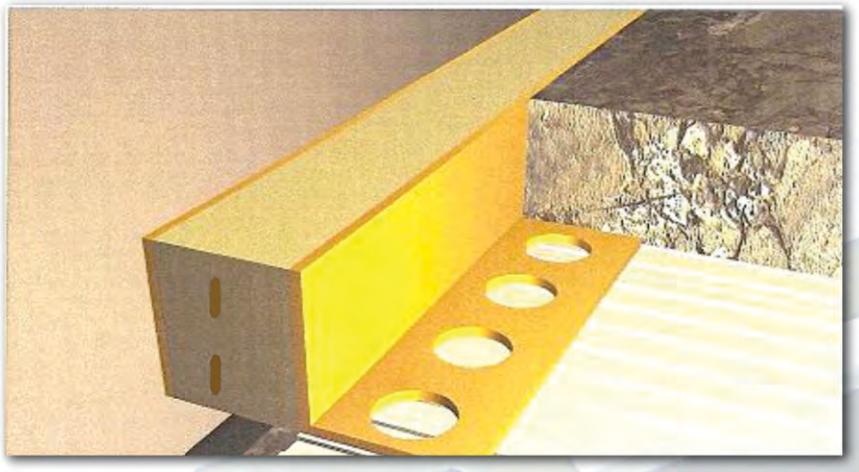
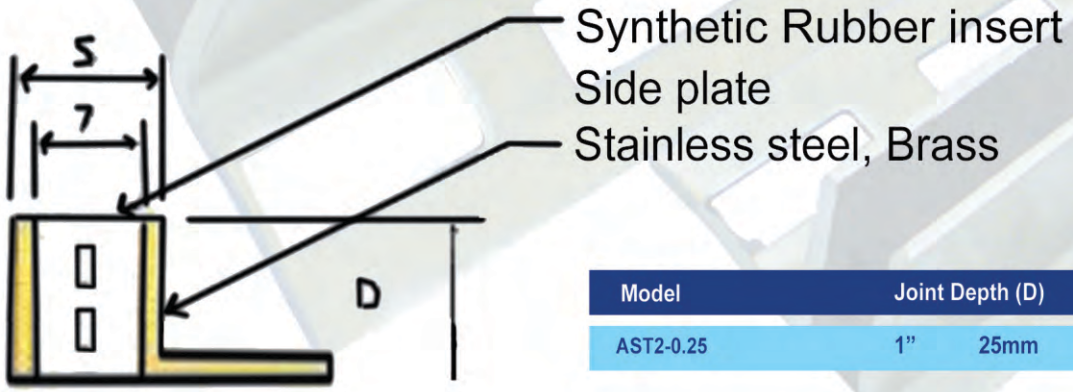


Movement joints DMJ 02

Denplex movement joints AST2 is manufactured using one flat side plate on side and a L-plate on the other side bonded to the synthetic rubber insert. These profiles are particularly useful for perimeter fixing or an existing finished area. Rubber inserts are available in Gray, Beige and Black a standard colors. All profiles are fabricated for a cut length of 2.4m.



Model	Joint Depth (D)		Sight Line (S)	
AST2-0.25	1”	25mm	3/8”	10mm

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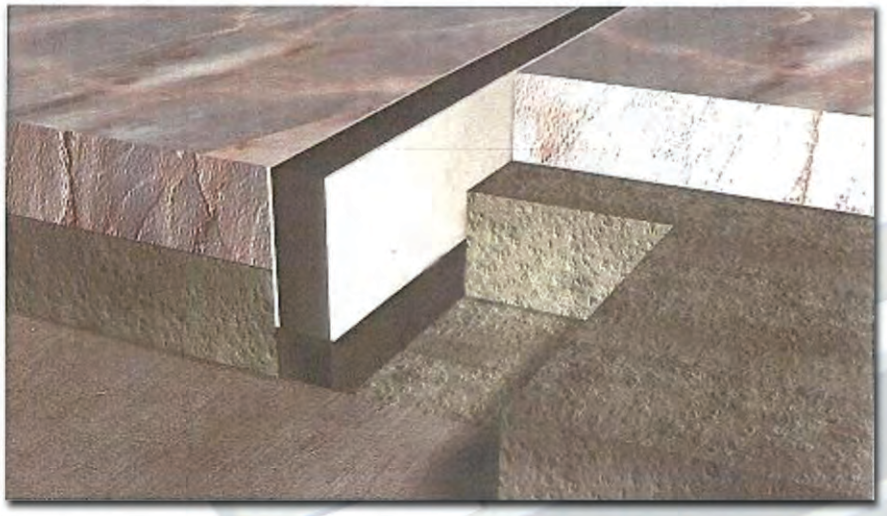
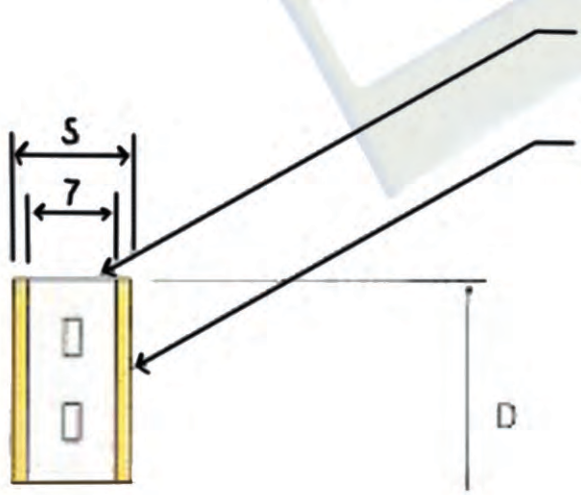
Movement Joints

For Large Tiling Area



Movement joints DMJ 03

Denplex movement joints AST3 is manufactured using 1.5mm side plates of brass, stainless steel bonded firmly to a synthetic rubber insert of 7mm. The tie bars provided ensures solid fixing in bed or screed. The side plates range from 20mm onwards to maximum of 40mm in height and can be specially ordered for a greater thickness for heavy duty applications. Rubber inserts are available in Gray, Beige and Black as standard colors. All profiles are fabricated for a cut length of 2.44m



Model	Joint Depth (D)		Sight Line (S)	
AST3-0.25	1"	25mm	3/8"	10mm

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Movement Joints

Material Specifications

Brass	: CZ 108 to BS 2870:1980
Stainless Steel	: Grade 304(Grade 316 can be supplied to order) to BS 1449

Polymer		Neoprene
AST D412	Tensile Strength	10 MPa
AST D2240	Shore A Hardness	55
ASTM D624	Tear Resistance	28 kN/m
Temperature Range		-30° C to 110° C
Elongation at Break		650%
Acid Resistance	Diluted Concentrated	Excellent Good
Solvent Resistance	Hydrocarbons Oxygenated	Good Fair
Ressistance to	Oil and Gasolene Animal and Vegetable oil Citric Acids	Excellent Good Excellent
Fire Resistance	Where fire resistance and low toxic emissions are essential, Vamac inserts, complying with BS 476:Part6 and Part 7 can be supplied, as required by London Underground.	

Insert Color Swatch

- Black
- Gray
- Beige

Custom colours can be supplied subject to minimum order quantity.

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