Roberts Designs

EXPANSION TRIM
TECHNICAL DATA SHEET

WHERE TO USE

Movement joints can be installed in areas and positions to prevent tiles or other substrates debonding from concrete floors etc. They should be used in locations of stress concentration, changes in direction, close to fixed objects such as stairs, columns, lifts, doorways, driveways etc. Building designers should assess the magnitude of any stresses and decide where movement joints should be installed with respect to relevant factors and Australian standards.

MAINTENANCE

1. Periodically clean the infill (rubber silicone). A buildup of dirt etc.can prove to be hazardous and affect the appearance of the profile.
2. Firstly, remove any loose debris on the profile with a vacuum or soft brush.
3. Clean the profile with warm water and light detergent only. Rinse the cloth constantly and remove any excess water.
4. It is recommended to avoid polishing and grinding unless necessary. Polishing and grinding reduce the anti-slip and effectiveness of the movement joint. Please note excessive grinding may remove silicone rubber infill, causing damage to substrate.

INSTALLATION

1. Ensure correct depth of profile is selected according to tile thickness, allowing for adhesive thickness buildup.
2. Using a notched trowel spread the tile adhesive onto the floor in accordance with manufacturers guidelines.
3. Firmly push the expansion trim into the adhesive, until adhesive penetrates all punched holes in bottom flange of Aluminum trim.
4. Spread adhesive over the top of the trim punched area and place tiles on top of tile trim punched area.

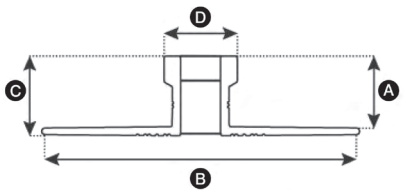


Installed in applications where movement joints are required. Meets Australian standards. **Available in Brass and Stainless Steel upon request.**

Skin-forming time at 23 °C/50 % RAH [minutes]	~ 10
Curing in 24 hours at 23 °C/50 % RAH [mm]	~ 2 - 3
Processing temperature from/to [°C]	+ 5 / + 35
Density at 23 °C according to ISO 1183-1 [g/cm³]	~ 1,0
Density at 23°C according to ISO 1183-1, matt [g/cm³]	~ 1,3
Shore-A-hardness according to ISO 868	~ 30
Permissible movement capability [%]	25 (1)
Stressexpansionmodulusat100%accordingtoISO37,S3A[N/mm²]	~0,5
Tensile expansion according to ISO 37, S3A [%]	~ 600
Tensile strength according to ISO 37, S3A [N/mm²]	~ 1,4
Temperature resistance from/to [°C]	- 40 / + 180
Extrusion rate according to ISO 8394-1 [g/min.]	~ 130 - 160
Shrinkage of volume according to ISO 10563 [%]	< 10

Green Building Council Australia

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Green Star Interiors



A	8mm	10mm	12.5mm	15mm	18mm	22.5mm
B (6mm)	48mm	48mm	48mm	48mm	48mm	48mm
B (10mm)	52mm	52mm	52mm	52mm	52mm	52mm
C	9mm	11mm	13.5mm	16mm	19mm	23mm
D (6mm)	11mm	11mm	11mm	11mm	11mm	11mm
D (10mm)	15mm	15mm	15mm	15mm	15mm	15mm

For more information or to order:

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