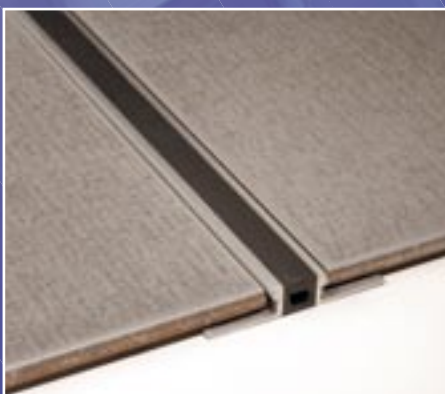
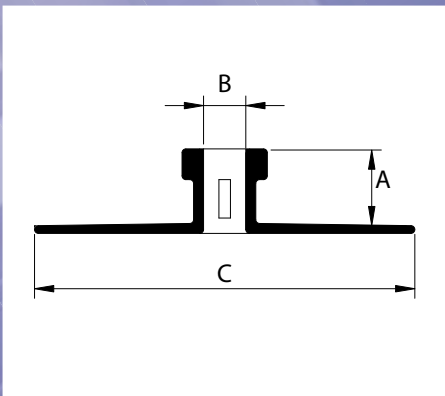
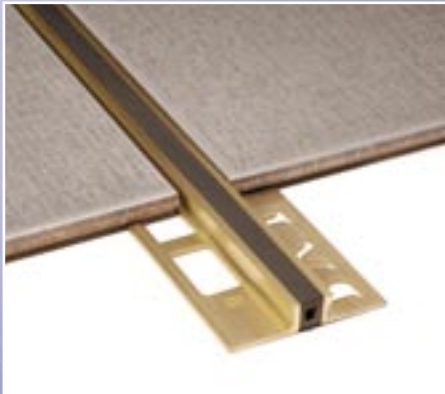


# Batex Thin - Bed Expansion Joints



Batex Expansion Joints are manufactured from 3 individual components – Angle, Neoprene infill, and adhesive. Batex Expansion Joints are designed for thin adhesive bed installations where adhesive is able to penetrate the perforated fixing legs to hold them in place.

Each of the components have their own characteristics, which combined with an extensive manufacturing process, produce an Expansion Joint which minimises the risk of damage to tiles, caused by thermal expansion and contraction.

BATEX is manufactured in three metals as well as three neoprene colours. Product dimensions (as per figure 1) vary according to the materials used.

During manufacturing, much care is taken to ensure proper adhesion between the metal and the Neoprene. In order to achieve a high tear resistance, the Angles and the Neoprene are mechanically and chemically prepared before the specially formulated adhesive is applied.

The Expansion Joint is then left to cure under pressure for a period of time.

After both materials are solidly bonded, the Expansion Joint is machined on the bottom to provide a flat and smooth surface, and more importantly on the top, to provide a level finish between the Angle and the Neoprene.

The resulting finish is of PARAMOUNT IMPORTANCE for the following reasons:

1. Hygiene
2. Safety Factors
3. Easy Cleaning
4. Avoidance of Damage

Batex Expansion Joints have been installed in numerous high profile projects both locally and worldwide. For more details of projects where Batex has been used recently, please contact us.

Easy installation is a feature of B.A.T. Trims' entire range. BATEX Expansion Joints are supplied in one prefabricated, easy to install three metre length. The ultimate feature of BATEX is the long term maintenance costs that are minimised by reducing the risk of tiles lifting or cracking.

BATEX can be custom made to specification i.e. radial, single-sided or multiple neoprene adhesion.

# Batex Thin - Bed Expansion Joints

## Batex Thin-Bed Expansion Joints

- Available in 3m lengths

### Material Specifications:

#### Angles Used

Aluminium	Alloy 6063
Brass	Alloy 380/F
Stainless Steel	Grade 304 / 316

All of these materials have high tensile strength, and good resistance to corrosion in an industrial atmosphere

## Neoprene - available in 6mm or 10mm widths

Colours	Black, Grey, Beige, other colours available on request
Hardness ASTM D2240 - Shore A	55
Tensile Strength ASTM D412	10 MPA
Elongation at Break	600%
Tear Resistance ASTM D624	28 Kn/M
Temperature Range	-30°C to + 110°C
Acid Resistance - Concentrated	Good
Acid Resistance - Diluted	Excellent
Solvent Resistance - Hydrocarbons	Good
Solvent Resistance - Oxygenated	Fair
Oil & Gasoline	Excellent
Animal & Vegetable Oils	Good
Chlorine	Fair
Citric Acids	Excellent

Neoprene is universally recognised as having excellent resistance to deterioration from ozone and weathering, as well as high physical strength.

Please note that Neoprene can slightly discolour under extreme UV exposure. For more information contact B.A.T. Trims Pty Ltd.

## Adhesive

Softening Point	165° C
Normal Operating Temperature Range	-60°C to +180°C
Tensile Sheer Strength	15-20 N/mm <sup>2</sup>
Humidity Resistance	High

The adhesive used is specially formulated to bond Neoprene to metal



Flinders Street Station, Melbourne, a project that used custom made BATEX.

