

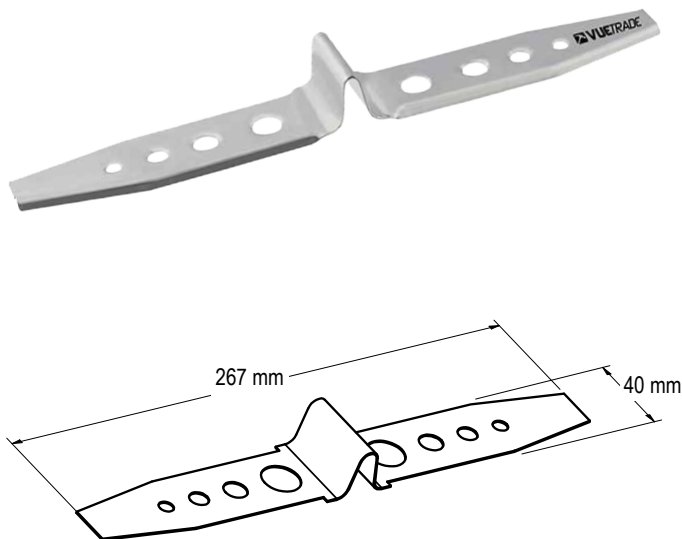


STAINLESS STEEL EXPANSION TIES

APR25

Compliant with the requirements of AS2699 and AS3700.

316 STAINLESS STEEL



APPLICATION

VUETRADE Stainless Steel Expansion Ties features two ends with holes designed to hold in bed joints and a pre-bent middle section to provide a 10-20mm control gap during construction to accommodate for expansions.

SPECIFICATION

Material & Corrosion protection: Stainless Steel 316

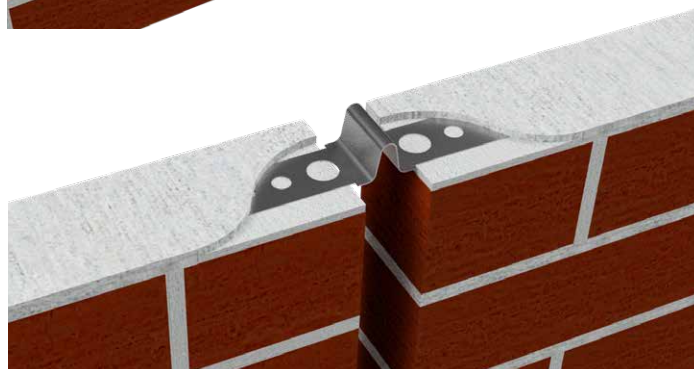
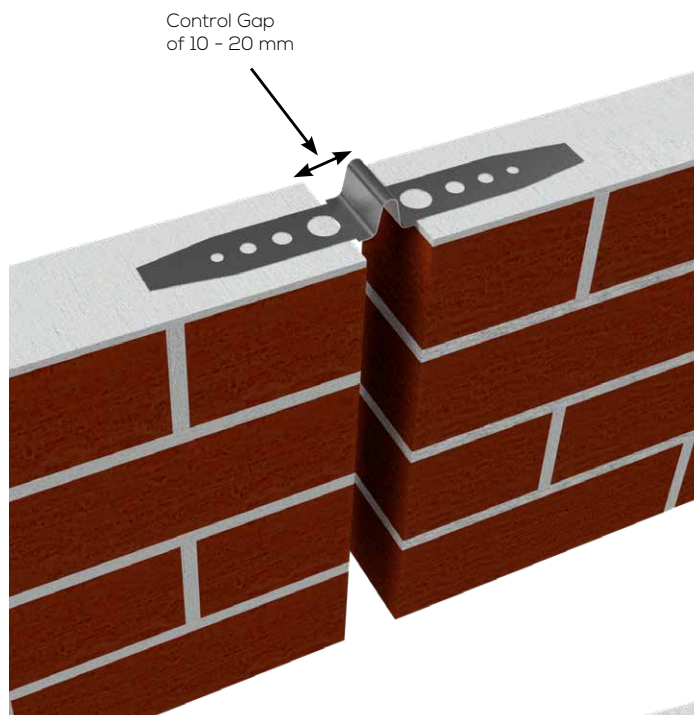
DURABILITY

VUETRADE Expansion Ties are manufactured in Stainless Steel 316 which has a durability classification of R4 as per AS2699.1:2020.

VUETRADE Expansion Ties are tested and are compliant to AS2699.2:2020.

PRODUCT RANGES

Product Code	Maximum Control Gap	Durability Classification	Box Qty
VTEXTSS	20 mm	R4	60



R4

DURABILITY CLASSIFICATION

Within 1km from breaking surf,
or within 100m from sheltered coastal





STAINLESS STEEL EXPANSION TIES

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National Construction Code 2022 – ABCB Housing Provisions

Table 5.6.5d from ABCB Housing Provisions of the NCC 2022 provides corrosion protection requirements for masonry wall ties in different exposure conditions along with recommended corrosion protections.

Table 5.6.5d Corrosion protection for wall ties

Exposure condition	Tie specification (minimum corrosion protection)
Areas less than 1km from breaking surf; or less than 100 m from salt water not subject to breaking surf; or within heavy industrial areas.	Grade 316L stainless steel; or engineered polymer complying with the requirements of AS 2699.1.
Areas 1km or more but less than 10km from breaking surf; or 100m or more but less than 1km from salt water not subject to breaking surf.	Sheet steel and bar ties galvanised after manufacture - 470 g/m ² on each side; or galvanised wire ties - 470 g/m ² coating mass; or Grade 304L stainless steel.
All other areas	Galvanised sheet steel - 300 g/m ² coating on each side; or sheet steel ties galvanised after manufacture - 300 g/m ² on each side.

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SELECTION OF SUITABLE CORROSION PROTECTION ON VUETRADE PRODUCTS

VUETRADE offers products designed for use specifically in each exposure condition with adequate corrosion protection as per the requirement. These are categorised into three main categories:



STANDARD / GALVANISED

- Internal / enclosed
- Exterior/exposed inland areas except if in contact with fresh water or non-saline wetting & drying



MARINE ENVIRONMENT – SS304

- Marine Environment – 100m up to 1km from a non-surf coast and from 1km up to 10km from a surf coast
- External applications in contact with freshwater or subject to non-saline wetting and drying
- Minimum steel grade required Stainless Steel 304



SEVERE MARINE – SS316

- Severe Marine – 100m from a non-surf coast and up to 1km from a surf coast
- Minimum Steel Grade Stainless Steel 316
- No 'Tea Staining', a superficial 'rust' look that occurs on lower grades of Stainless Steel including 304.

Using the chart below, the necessary level of corrosion protection can be easily identified. It is highly recommended to adhere and comply to the minimum requirement of corrosion protection as failure to do so may lead to severe corrosion that will critically alter the structural integrity of a building.

Corrosion protection usage outside of what has been recommended in this guideline should be consulted and confirmed by the site engineer/structural engineer to ensure building compliance.

These classifications are based on AS2699.1:2020.

VUETRADE ICON	DURABILITY CLASSIFICATION	MATERIAL
	R2	Z600 Galvanised
	R3	304 Stainless Steel
	R4	316 Stainless Steel

