

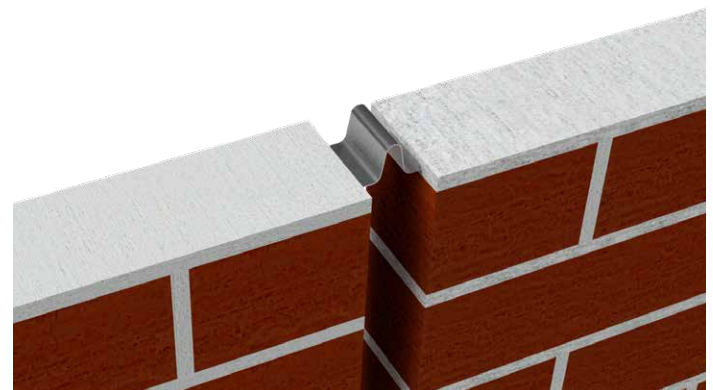
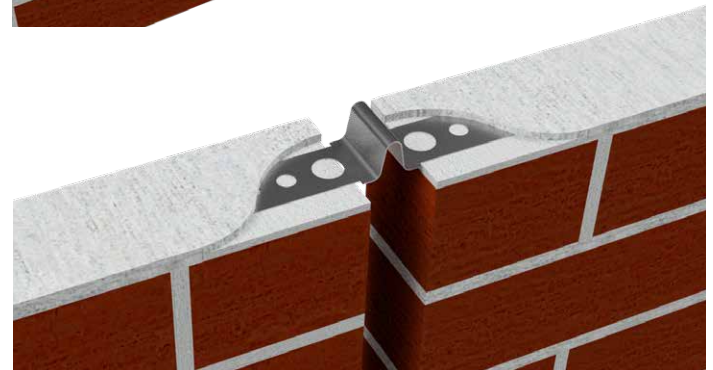
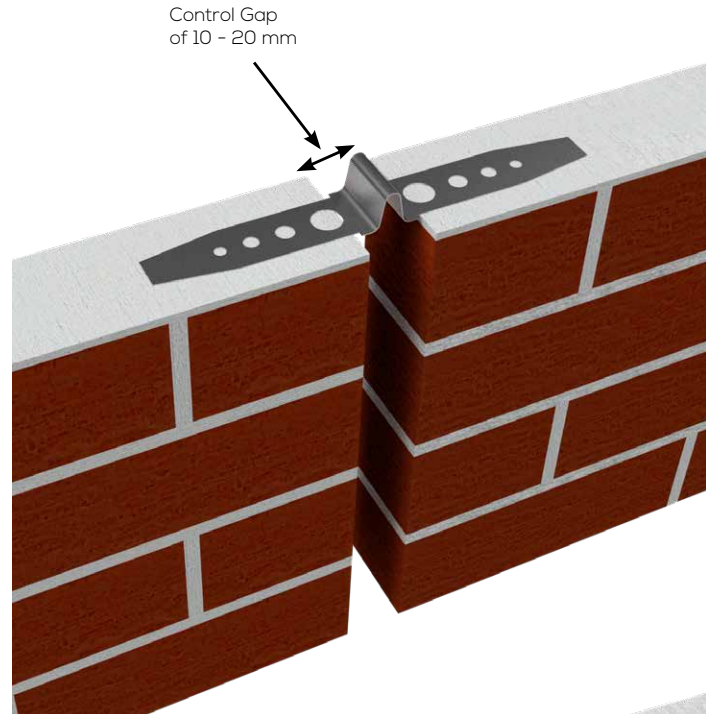
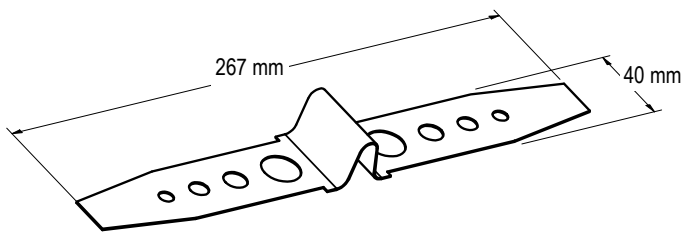


STAINLESS STEEL EXPANSION TIES

OCT23

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

Majority of VUETRADE products are adequately corrosion protected to meet all corrosion protection standards mentioned in previous section and are categorized 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, the level of corrosion protection needed 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 affect the structural integrity of a building.

These classifications are based on AS2699.1:2020.

