

Sealants for exterior BlueScope coated steel products

Introduction

This bulletin provides information relating to sealants and their application when used in conjunction with the range of exterior finished steel products produced by BlueScope.

Neutral cure sealants

The sealant industry produces a wide variety of building sealants which encompass many end-use applications and an even greater range of specific conditions.

BlueScope considers that neutral cure sealants form the most suitable class of sealants for the applications in which its products will be exposed.

Neutral cure sealants meet the necessary requirements of:

- Providing good adhesion to the clean surface of BlueScope exterior finished products.
- Not requiring a primer except in extreme service conditions.
- Resisting extremes of both heat and cold while retaining good flexibility.
- Providing high resistance to the damaging effects of ultraviolet rays (in sunlight); hence achieving a long life compatible with the performance of BlueScope exterior finished products.

BlueScope considers that neutral cure sealants that conform with the Australian Steel Institute (ASI) Technical Specification TS-001 (non-extended, with a minimum of 90% silicone polymer content) to be the most suitable.

Any other generic type of sealant considered should possess similar properties to neutral cure sealants that conform with ASI TS-001 if long term performance is required. It is most important that only quality neutral cure sealants be used with steel products.

Other very common sealants, while being suitable for other materials, liberate by-products during curing which can be corrosive towards the protective coatings applied to steel. These often smell of either vinegar or ammonia. If in doubt, contact Steel Direct.

Use in roof and wall cladding

For information on the use of sealants in the installation of metal roof and wall cladding, refer to:

SA HB39:2015 Installation code for metal roof and wall cladding.

Use in tank making

For information on the use of sealants in the manufacture of tanks refer to:

Technical Bulletin TB-3 AQUAPLATE® steel for water tanks or contact Steel Direct.

Related BlueScope Technical Bulletins

[Technical Bulletin TB-3 AQUAPLATE® steel for water tanks](#)

Related Technical Literature

SA HB39:2015 Installation code for metal roof and wall cladding.

Australian Steel Institute Technical Specification TS-001 – *Silicone Specification For Exterior Coated Steel Products* (August 2025)

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To ensure you have the
most current information

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