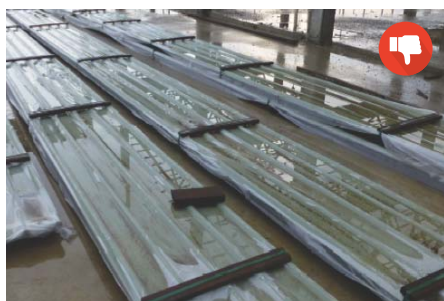


# The Do's and Don'ts of Handling BlueScope Coated Steel Roofing

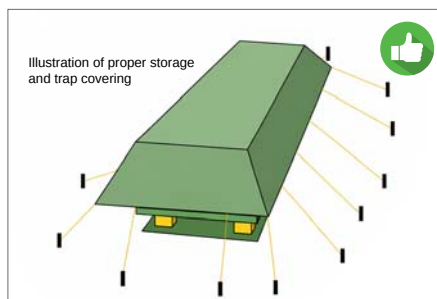
Handling coated steel roofing requires careful attention to ensure its durability, appearance, and performance over time. Improper storage, cutting, or installation can compromise the material, leading to corrosion, damage, or reduced service life. This guide provides essential do's and don'ts for handling BlueScope's coated steel roofing, including best practices for storage, cutting, use of accessories, and selection of fasteners. By following these recommendations, you can maintain the quality, longevity, and aesthetic consistency of your roofing system.

## 1. Care and Storage

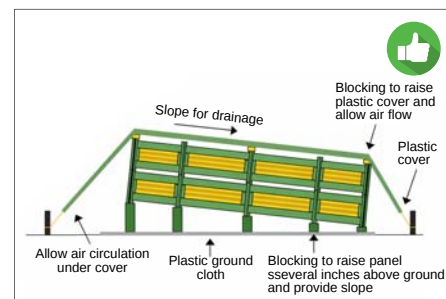
Coated steel products (bundle) should be kept dry during transport, storage, and prior to installation, as moisture trapped between sheets or coil wraps cannot evaporate and may lead to surface staining or corrosion due to wet storage conditions rather than material performance. Please refer to Technical Bulletin (TB-7) for further elaboration.



*Entrapped moisture may lead to surface staining or corrosion*

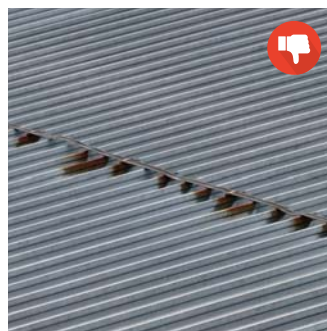
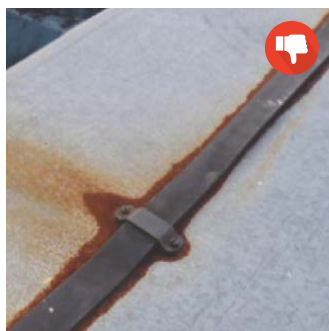


*Materials should always be stored in a dry place and covered with a tarp to protect from rain and overnight condensation*



## 2. Material Compatibility

Use only materials that are compatible with BlueScope's coated steel products, as incompatible materials may cause galvanic corrosion through contact or water run-off. Aluminium accessories and tapes are recommended, as they are compatible with BlueScope coated steel products. Please refer to Technical Bulletin (TB-8) and Corrosion Technical Bulletin (CTB-12) for further elaboration.

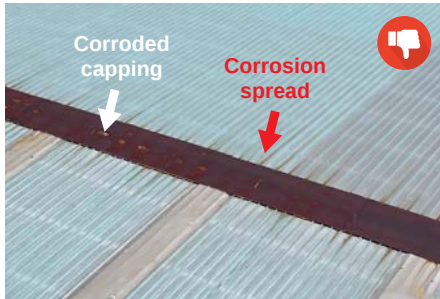


*Galvanic corrosion can arise not only through direct contact, but also from water runoff or dripping from incompatible material*

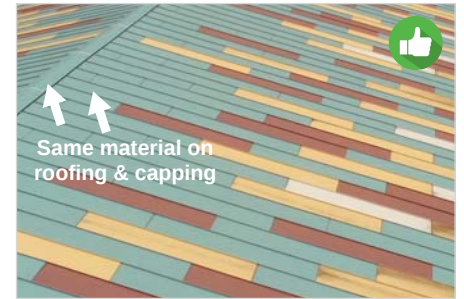
*Use compatible accessories*

### 3. Mixing of Material

Avoid mixing roofing products or accessories with different durability and corrosion performance. Use the same roofing product and compatible accessories throughout the roofing system to ensure uniform weathering, appearance, and service life.



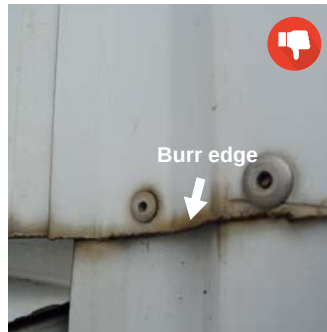
*Mixing materials within the same roofing system may reduce the system's service life and increase the risk of premature corrosion*



*Using the same material ensures consistent performance and a comparable service life*

### 4. Cutting Sheets on Site

Use cold metal blades (e.g. Makita 4130) rather than carborundum disc angle grinders as they produce fewer damaging hot metal particles, leaving fewer burrs on the cut sheet. Please refer to Technical Bulletin (TB-5) for further elaboration.



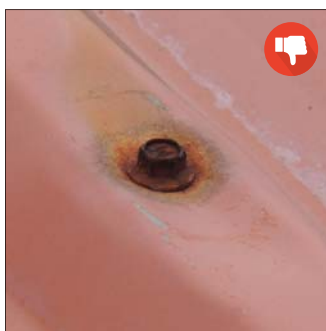
*Improper or uneven cutting with a carborundum disc angle grinder can lead to burrs along the cut edge*



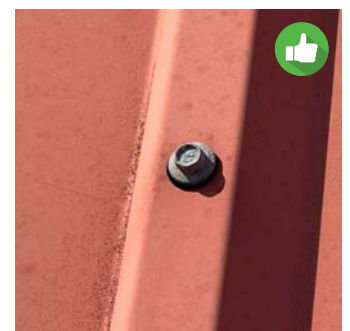
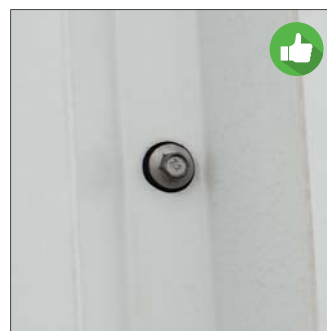
*Use a cold metal cutting blade together with appropriate holding tools to ensure stable cutting and minimise burr formation*

### 5 Screws and Fasteners

All screws and fasteners shall be fitted with EPDM-quality rubber sealing washers or equivalent, free from carbon fillers, and shall comply with a minimum of AS 3566 Class 3 requirements. Inadequate or incompatible accessories, such as galvanised washers, cadmium-plated screws, or other unsuitable fasteners, may corrode and lead to corrosion-related issues affecting the roofing system performance. Please refer to Technical Bulletin (TB-16) for further details.



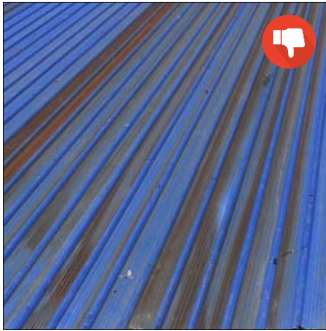
*Inadequate or incompatible accessories can lead to ring around corrosion to the surface*



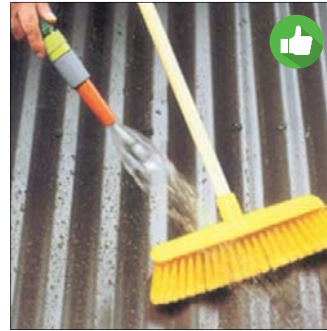
*Fasteners with rubber sealing washer*

## 6. Swarf Removal

Swarf consists of loose particles generated from cutting or piercing operations on the roof. The roof should be progressively swept, hosed, vacuumed, or blown clean to remove these loose particles. If no action is taken, the swarf particles may corrode over time and result in rust staining on the roof surface. Please refer to Technical Bulletin (TB-5) for further elaboration.



*Swarf is often mistaken for rust but consists of loose particles that can be easily removed*



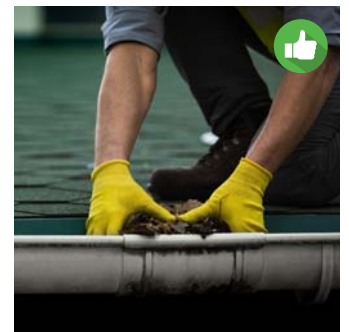
*The roof should be swept, hosed, vacuumed, or blown progressively to remove loose particles*

## 7. Water Ponding / Immersion

Coated steel products are not designed for prolonged ponding or immersion conditions, as stagnant water may accelerate deterioration of the coating system. Water ponding can result from inadequate roof design, such as insufficient roof pitch, or poor installation workmanship. Proper roof design, including an appropriate roof pitch and adequately designed gutters and drainage, will help ensure effective water runoff and minimise the risk of ponding. Please refer to Corrosion Technical Bulletin (CTB-16) for further elaboration.



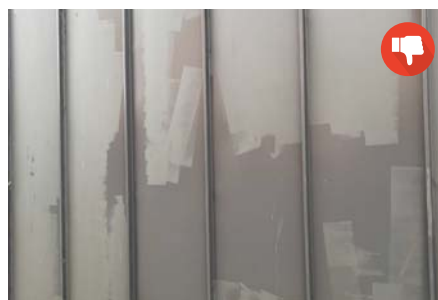
*Water ponding is often caused by blocked drainage, insufficient roof pitch, or poor installation workmanship*



*Provide right roof slope and maintain clear drainage paths to facilitate efficient water runoff and minimise the risk of water ponding.*

## 8. Overpainting and Restoration

Overpainting or surface restoration of coated steel products should only be considered after assessing the cause and extent of surface damage, as overpainting does not reinstate the original factory applied coating system and may not be suitable in all situations. Please refer to Technical Bulletin (TB-2) for further elaboration.



*BlueScope does not recommend the use of touch-up paint to repair damage or scratches to the painted surface. The use of touch-up paint will lead to variations in appearance over time where it has been applied*

## 9. Scratches and Blemishes

Minor surface scratches that do not penetrate the coating system, typically less than 2mm in width, may not require remedial action, while more severe scratches or mechanical damage should be assessed based on exposure and severity. Please refer to Technical Bulletin (TB-2) for further elaboration.



*Minor scratches may be left as they are, as the remaining metallic coating will protect against corrosion  
If scratches are more severe or noticeable, replacement of the affected product is recommended*

## 10. Detergents and Cleaners

Clean coated steel products using a non-ionic or other suitable mild detergent. Do not use abrasive or solvent-based cleaners (e.g. kerosene, paint thinners, turpentine, or similar products), wire brushes, steel wool, or abrasive scouring pads, as these may damage the coating surface. Use a soft microfibre cloth for cleaning. Please refer to Technical Bulletin (TB-4) for further elaboration.



*Steel scrubber must not be used as this will damage the coating surface  
Kerosene and other solvent based cleaners must not be used*

*Soft cloth, non-ionic detergent or  
“kitchen detergent” are recommended for cleaning of roof sheets*

*This guideline is intended as general guidance only and does not constitute a complete or exhaustive list. It is the responsibility of the relevant contractor to comply with good building practices. The information and advice contained in this document are general nature and have not been prepared with your specific needs in mind. You should always seek specialist advice to ensure that the materials, approaches, and techniques referred to in this document meet your specific requirements. Please contact a BlueScope representative if you require further information.*



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