

Perforated coated steel

BlueScope do not supply perforated metallic coated steel and prepainted steel products. Material may be purchased from our various distributors who utilise a third party to perforate the sheeting to meet the customer specification for interior use, within an air conditioned environment. However, perforated material is not recommended for external applications.

Placing a large number of holes or perforations in the material dramatically increases the cut edge area.

The consequent performance of perforated material is directly related to the base steel thickness, metal coating type, selected hole size, the number of holes per square metre and the type of environment the material is to be exposed to.

Exposure of the material in an exterior unwashed environment will accelerate the rate of corrosion and undercutting at the perforation. A large number of holes that are closely positioned will lead to undercutting and/or delamination of the coating in a short period of time. Should the panel be chosen to regulate air flow in a breeze way situation, the modification of the new air flow parameters will often lead to the deposition of entrained particles about the area of the hole. This will increase time of wetness and exacerbate any unwashed corrosion mechanism that is relevant to the position of the panel. In exterior unwashed environments BlueScope do not recommend COLORBOND® steel or ZINCALUME® steel for perforated panel feed. This particularly relates to those products requiring a large number of small, closely spaced perforations or material that has a base metal thickness greater than 1mm.

COLORBOND® Stainless steel and powder coated galvanised substrates are a more appropriate choice for those environments which are exposed to aggressive unwashed area conditions.

**If you have any questions regarding this Bulletin, contact
BlueScope Steel Direct on 1800 800 789.**

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