

SD - MKT - 30202

REV. 0, June 2001

This literature supersedes all previous issues

GENERAL DESCRIPTION

Clean COLORBOND® prepainted steel has been developed by BHP Steel to provide a high durability, good looking and cost effective roofing and walling material for general exterior use. Its substrate and paint coating conforms to Australian Standards.

TYPICAL USES

General exterior architectural uses, for example wall cladding, roofing, rainwater goods, as well as other building products such as garage doors and infill panels.

AUSTRALIAN STANDARD

Substrate – AS 1397

Paint Coating – AS 2728 Category 3.

PREFERRED SUBSTRATES:

ZINCALUME® steel G550 AZ150 (Zinc/Aluminium alloy-coated steel)

ZINCALUME® steel G300 AZ150 (Zinc/Aluminium alloy-coated steel)

PRETREATMENT:

Corrosion resistant proprietary conversion coating

PRIMER COAT:

Universal corrosion inhibitive primer epoxy primer. Nominal thickness 5 µm

FINISH COAT:

Custom formulated system (Polyester). Nominal film thickness 20 µm on the top or weather side. The finish coat can, if required be applied to both sides provide double-sided product.

BACKING COAT:

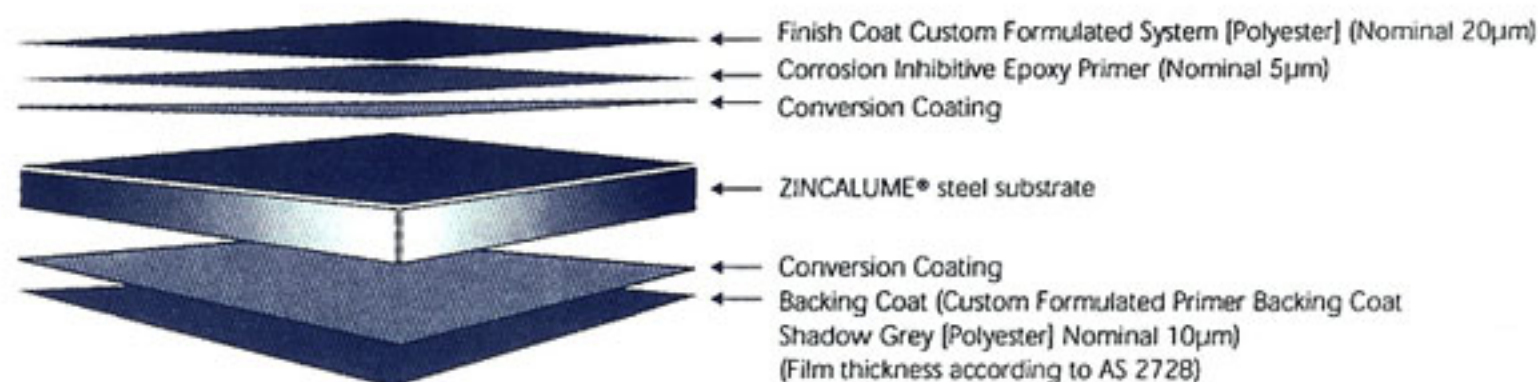
Custom formulated Shadow Grey (Polyester). Nominal film thickness 10 µm

COLOUR:

A range of standard colours is available on request

GLOSS:

Nominal 25% (60°)

**DIMENSIONS: (For normal supply product)**

ZINCALUME® steel G550 AZ150

Preferred base metal thickness, mm*	Strip width range, mm
0.30 – 0.8	810 – 1260
0.81 – 1.00	810 – 914

ZINCALUME® steel G300 AZ150

Preferred base metal thickness, mm*	Strip width range, mm
0.30 – 0.8	810 – 1260
0.81 – 1.00	810 – 914

* Any other sizes may be available on request.

RESISTANCE TO DIRT STAINING

The change in appearance of normal coil-coated products due to weathering is expected to be minimal within one year of installation. Yet, the overall appearance change can be large in some environments, not as a result of changes in the paint system itself, but as a result of severe dirt pick-up which causes darkening of its surface. This effect is more pronounced on light colours than on dark colours. Some atmospheric dirt can actually become engrained into the surface of the paint, causing dirt staining which is difficult to remove.

Clean COLORBOND® steel is resistant to dirt pick-up and more importantly, resistant to dirt staining.

The appearance change of normal coil-coated products and Clean COLORBOND® steel in environments where atmospheric dirt is known to cause dirt-staining problems has been monitored. The samples tested after one year of exposure were not cleaned of dirt or other contaminants but had been exposed to rainfall during the test period. The benefits of using Clean COLORBOND® steel in this type of environment are clearly evident as shown in TABLE 1 (below).

TABLE 1 – 12 month sample exposure comparisons

Colour Shade	Typical Appearance Change (Δ E unit Hunterlab)	
	Normal coil coated products	Clean COLORBOND® steel
Dark (eg Homestead)	11	3
Intermediate (eg Beige)	6	2
Dark (eg Autumn Red)	3	1