



PRE-PAINTED COATED STEEL

Clean COLORBOND® XPD steel

This simple checklist is your guarantee of the superior Clean COLORBOND® XPD steel difference:

- Made by BlueScope
- Supported by BlueScope warranty*
- Meets International Building Standards
- Product performance is field tested

*1 terms and conditions apply



For product identification and originality, please check the following brand along the edge of the coil reverse side:

"Clean COLORBOND® XPD steel made by BlueScope Steel 23:11 05:07:04 08"

backcoat colour: Shadow Grey



PT NS BlueScope Indonesia

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Clean COLORBOND® XPD steel delivers premium colour durability, excellent weatherability and high formability for exterior roofing and walling applications. Designed to handle tough conditions, this product combines excellent long term colour performance and a touch of style.

FOR BUILDINGS THAT DELIVER COLOUR DURABILITY



COLOUR DURABILITY • EXCELLENT WEATHERABILITY • HIGH FORMABILITY

Clean COLORBOND® XPD Steel

Exterior Premium Durability

GENERAL DESCRIPTION

Clean COLORBOND® XPD steel has been developed by BlueScope to provide premium durability in excellent weather ability & high form ability for exterior applications

TYPICAL USES

Prestigious roofing and walling, architectural panels and building accessories requiring excellent colour and gloss retention.

AUSTRALIAN STANDARD

Substrate - AS 1397
Paint Coating - AS 2728 Category 3.

PREFERRED SUBSTRATES:

ZINCALUME® steel G550 AZ150 (Zn/Al alloy-coated steel)
ZINCALUME® steel G300 AZ150 (Zn/Al alloy-coated steel)

PRETREATMENT:

Corrosion resistant proprietary conversion coating.

PRIMER COAT:

Corrosion inhibitive primer. Nominal thickness 5 micron topside.

FINISH COAT:

Custom formulated system - PVDF coating system. Nominal thickness 20 micron on the top or weather side.

BACKING COAT:

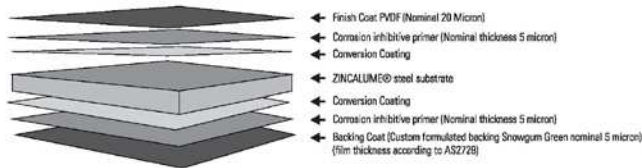
Custom formulated Snowgum Green. Nominal thickness 5 micron.

COLOURS:

A range of standard colours is available. Other specially required colours may be available on request.

GLOSS:

Nominal 25% (60°)



DIMENSIONS (For normal supply product)

Preferred base thickness (mm)	Width range (mm)
0.25	914 - 1219
0.30	914 - 1219
0.35	914 - 1219
0.40	914 - 1219
0.45	914 - 1219
0.50	914 - 1219
0.60	914 - 1219
0.70	914 - 1219
0.80	914, 940

For finished product with size outside of the above mentioned size, please contact our Marketing Office to check availability

RESISTANCE TO DIRT STAINING

The change in appearance of normal coil-coated products due to weathering is expected to be minimal within one year installation. Yet, the overall appearance change can be large in some environment, 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.

Clean COLORBOND® XPD 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® XPD 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 coated with dirt or other contaminants but had been exposed to rainfall during the test period. The benefits of using Clean COLORBOND® XPD 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 (ΔE units Hunterlab)	
	Normal coil-coated products	Clean COLORBOND® XPD steel
Light (eg. Coral White)	11	3
Intermediate (eg. Jubilee Jade)	6	2

Clean COLORBOND® XPD steel provides premium colour durability, excellent weatherability and high formability for exterior roofing and walling applications. It is specifically developed for applications that demand the ultimate performance in both long-term colour and gloss retention

Unlimited Design Flexibility

Clean COLORBOND® XPD steel is an exciting design tool that meets the challenge of contemporary architecture. From curved surfaces to straight; on profiled or flat panels; Clean COLORBOND® XPD steel can define and strengthen the individual character of every building

COLOURS THAT ARE MADE TO LAST

Clean COLORBOND® XPD steel comes in a variety of colours to suit your individual needs. These colours harness the naturally changing environment of a building with subtle and dramatic effects. Moreover, its long lasting and durable paint system accompanied by the superior dirt resistance performance keeps the colours bright and clean.

Developed for tough weather conditions

Clean COLORBOND® XPD steel was developed by BlueScope for tough weather conditions. It delivers durability and long lasting beauty, no matter where you live, and the colour range captures the hues and tones of our unique environment, so you can choose a colour to blend with your environment.

Endless applications

Typical end-use applications include prestigious roofing, walling, architectural panels and building accessories requiring excellent colour and gloss retention.

Peace of mind all year round

When you specify Clean COLORBOND® XPD steel, you not only benefit from BlueScope expertise, but you can at peace of mind with BlueScope warranty.*

*] terms and conditions apply

TYPICAL PROPERTIES

Mark Resistance	Good
Scratch Resistance	Good
Impact Resistance	> 10 Joules (AS2728)
Pencil Hardness	HB minimum (AS1580)
Flexibility	7T or less, no cracking (AS2935)
Heat Resistance	Suitable for continuous service up to 100°C. Continuous service at higher temperatures may cause some colour change of the paint film.
Taber Abrasion Resistance	20 mg paint removal per 100 cycles (AS2105)

TABLE 2 - Early Fire Hazard Ratings (AS1530)

INDEX	RATING	RANGE
Ignitability index	0	0 - 20
Spread of Flame index	0	0 - 10
Heat Evolved index	0	0 - 10
Smoke Evolved index	0.1	0 - 10

EXPECTED PRODUCT SERVICE PERFORMANCE

Film Integrity Clean COLORBOND® XPD steel under normal well-washed exposure conditions should show no cracking (other than that which may occur during normal forming), flaking or peeling of the paint for 20 years.

Change in Appearance The appearance of Clean COLORBOND® XPD steel and other coil-coated products can change over time on exterior not only due to pick-up of dirt but also changes in the paint system itself such as gloss loss, chalking and fading of pigmentation.

Colour change, which is largely due to changes in pigmentation will depend on the colour chosen. It is measured using spectrophotometer, according to ASTM D 2244 on surfaces thoroughly cleaned of dirt, chalk, oxidised film, and foreign contaminants. The typical appearance change of standard Clean COLORBOND® XPD steel colours in normal environments after 20 years of service are given in TABLE 3 below.

TABLE 3 - Expected colour change after 20 years

Colour Fading	Typical Appearance Change (ΔE units Hunterlab)
Light (eg. Coral White)	6
Intermediate (eg. Jubilee Jade)	9
Dark Colour	15

Some chalking may occur up to maximum chalk rating of not greater than 4 (ie. not worse than moderate level of chalking) after 20 years exposure, measured in accordance with Tapeoff Test ISO 4628-6

Note: Improper storage or use of non-approved rollforming lubricants may adversely affect colour stability. Wet storage should be avoided, however, materials which become wet while in bundles should be separated and dried.

Corrosion Resistant (Salt Spray ASTM B117) No more than (2) blister density, no more than size S2 blisters, no more than 2 mm undercutting from a score and no visible loss of adhesion after 1000 hours.

Humidity Resistance (AS 2728) No more than (2) blister density, no more than size S2 blisters, and no visible loss of adhesion after 1000 hours.

QUV Resistance (ASTM G53) A Chalk rating of not greater than 4 (Tapeoff Test, ISO 4628-6), is typical after 2000 hours testing ie. moderate chalk as maximum.

Chemical Resistance The integrity of the paint film on Clean COLORBOND® XPD steel is expected to be largely unaffected by accidental spillage of solvents such as methylated spirits, white spirits, mineral turpentine, toluene, trichloroethylene and dilute acids and alkali as long as these spillage are removed immediately by wiping or washing. However, contact with certain of these chemicals may reduce the resistance of the product to dirt pick-up.

Use Under Adverse Conditions If it is intended to use Clean COLORBOND® XPD steel in an exterior application with 1 km of salt marine locations, severe industrial or unusually corrosive environments, in areas not washed by rain, or in end uses where it will be wholly or partially buried in the ground, please contact BlueScope sales office for specialised advice.

For finished product with size outside of the above mentioned size, please contact our Marketing Office to check availability

