



PRODUCT SPECIFICATION – LCP SNAPLOCK™

The roofing and/or wall cladding metal sheets shall be 0.55mm BMT. **LCP SNAPLOCK™** produced by **LCP Building Products Pte. Ltd.**, with rib of 25mm height at 510mm panel cover width, or rib of 38mm height at 485mm panel cover width. Other panel cover widths are available upon request. The sheet shall be installed using concealed fixing clips in accordance with manufacturer's recommendations. The concealed clips will be manufactured by **LCP Building Products Pte. Ltd.** using 0.55mm BMT G300 Clean COLORBOND® steel or ZINCALUME® steel. Contact **LCP Building Products Pte. Ltd.**, Technical Department to confirm the position of clips. The clips will be fixed to flat battens that are manufactured from 0.55mm BMT G300 Clean COLORBOND® steel or ZINCALUME® steel. The other option to support the clips is Z-batten or Top Hat supports which will be manufactured by **LCP Building Products Pte. Ltd.** using G300 galvanised material in 1.0mm or thicker. Alternatively, G500 or G550 can also be used. For more information, please contact **LCP Building Products Pte. Ltd.**, Technical Department. The **LCP SNAPLOCK™** rib must be snapped-on to complete the installation of the roof.

The sheeting material shall be protected steel sheet to Australian Standard AS1397 with a minimum yield stress of 300MPa (Grade G300), metallic hot-dip coated with aluminium/zinc alloy comprising 55% aluminium, 43.5% zinc and 1.5% silicon. The minimum coating mass for the aluminium/zinc alloy coated steel shall be AZ150 (150 g/m² minimum coating mass) as determined by Australian Standard AS1397.

For roofs where acoustic and thermal properties are required, **LCP SNAPLOCK™** acoustic roof system has achieved STC (Sound Transmission Class) value of 56, with corresponding IIC (Impact Isolation Class) value of 54 and U-Value of 0.37 W/m² °K. For information on the roof build-up, please contact **LCP Building Products Pte. Ltd.**, Technical Department.

Wherever applicable, the installation of the metal sheets shall be in accordance to the “Installation code for metal roofing and wall cladding; Standards Australia SAA HB39-1997”.

A minimum of 50mm shall be provided for projection into gutters. Flashings shall be supplied in compatible materials, as specified. Minimum cover of flashing shall be 150mm.

All sheeting shall be fixed in a workman like manner, leaving the job clean and weather-tight. All debris (nuts, screws, cuttings, filings etc.) shall be cleaned off daily.



PRODUCT SPECIFICATION – LCP SNAPLOCK™, continued

Option for Clean COLORBOND® prepainted steel sheets

The prepainted steel sheets to be used for **LCP SNAPLOCK™** roofing and/or wall cladding shall be Clean COLORBOND® prepainted steel manufactured by BlueScope Steel Limited; factory coiled painted, and oven baked to Australian Standard AS2728.

The type of prepainted steel for the **LCP SNAPLOCK™** could be a range of Clean COLORBOND® products. The technical specifications are as follows:

a) **Clean COLORBOND® (Exterior Roofing & Walling)**

- Primer coat: Universal corrosion inhibitive primer; nominal thickness 5um top side.
- Finish coat: Nominal thickness 20um on the top or weather side. The finish coat colour shall be
- Backing coat: Shadow grey; nominal film thickness 10um.
- Gloss: Nominal 25% (60 degree).

b) **Clean COLORBOND® XPD (Exterior Premium Durability)**

- Primer coat: Corrosion inhibitive primer; nominal thickness 5um each side.
- Finish coat: Nominal thickness 20um of PVF² paint finish on the top or weather side. The finish coat colour shall be
- Backing coat: Snowgum Green; nominal film thickness 5um.
- Gloss: Nominal 25% (60 degree).

c) **Clean COLORBOND® Ultra Steel (Exterior Roofing & Walling, suited for moderately severe marine & industrial environments)**

- Corrosion Inhibitive Primer (on both sides): Nominal thickness 5um
- Finish Coat (on the top or weather side): Nominal thickness 20um of regular polyester paint finish with nominal 25% (60 degree) gloss. The finish coat colour shall be
- Backing Coat: Nominal thickness 10um

d) **Clean COLORBOND® XPD Pearlescent (an optional finish for prestigious building panels requiring premium colour and gloss retention)**

- Primer coat: Specially formulated corrosion inhibitive primer; nominal thickness 5um each side.
- Finish coat: Nominal thickness 20um of PVF² paint finish on the top or weather side. The finish coat colour shall be
- Backing coat: Snowgum Green; nominal film thickness 5um.
- Gloss: Nominal gloss level of 15% to 35% (60 degree) depending upon the colour.