

PRODUCT SPECIFICATION – LCP CAPLOCK™

The roofing and/or wall cladding metal sheets shall be 0.55mm BMT. **LCP CAPLOCK™** produced by **LCP Building Products Pte Ltd**, with ribs of 21mm height and 27mm batten height spaced at nominal 300mm or 500mm cover width. The sheets shall be installed using concealed fixing clips in accordance to manufacturer's recommendations. The fasteners used to secure the fixing clips to the supports shall conform to Australian Standard AS3566 and be compatible with the roofing material used. The clips shall be concealed and no fasteners are to penetrate the cladding. The **LCP CAPLOCK™** ribs must be manually capped 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 CAPLOCK™** 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. Repair minor blemishes with touch-up paint supplied by the roof manufacturer. All debris (nuts, screws, cuttings, filings etc.) shall be cleaned off daily.

PRODUCT SPECIFICATION – LCP CAPLOCK™, continued

Option for Clean COLORBOND® prepainted steel sheets

The prepainted steel sheets to be used for **LCP CAPLOCK™** 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 CAPLOCK™** 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.