

Stainless Steel

Mirror Finish



ALUCOPANEL®

Stainless Steel Grade 316

ASTM A 240 / A 240M or ASTM A 666

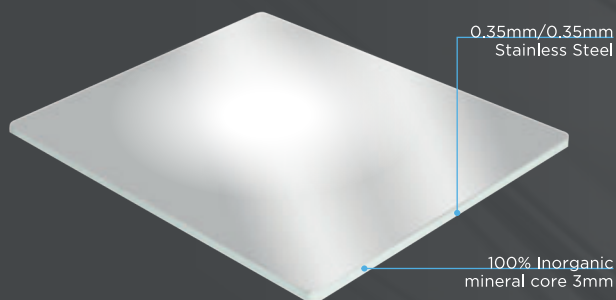
ALUCOPANEL®

Stainless Steel Composite Panels

100% Non-combustible

ALUCOPANEL® offers an option for Stainless Steel Composite Panels (SSCP) in Mirror Silver Effect. They are designed to provide sophisticated look to exterior and interior cladding. SSCP also maintains flatness, rigidity combined with lightweight and easy fabrication which are necessary features for advanced architectural and technical designs.

Typical 3.7 mm Stainless Composite Panel - Exterior



ALUCOPANEL® Stainless Steel Composite Panel is made of 100% inorganic mineral core - 3 mm sandwiched between two 0.35 mm stainless steel skins in grade 316 resulting total thickness 3.7 mm.



Roll Bending

Can be bent using a roll bending machine (3 or 4 rollers). Make sure that the feeder does not exert too much pressure. Bending rollers which are also used for bending other metals must be thoroughly cleaned from swarf before processing ALUCOPANEL® SSCP. Make sure to use only polished rollers free of dents and other defects. To prevent damage caused to the panel surface, the protective peel-off foil must not be removed during bending. Additionally, the visible surface can be protected by using plastic pads of 1 - 2 mm thickness. Before mass production, please make mock-up tests on sample panel.



Bending

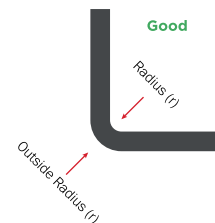
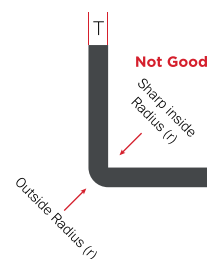
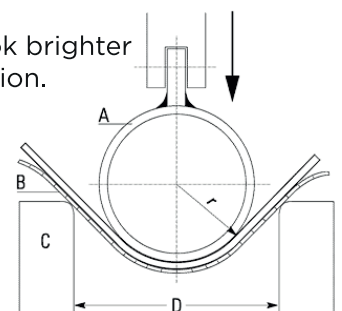
Bending ALUCOPANEL® SSCP is possible with a bending press.

- The minimum required radius is $r = 10 \times t$ (t = panel thickness).
- The spring-back effect of ALUCOPANEL® SSCP is larger than solid aluminium sheet
- The die edges should be rounded and smooth
- To prevent damage caused to the panel surface, the protective foil must not be removed during bending
- Additionally, the visible surface can be protected by using plastic pads of 1 - 2 mm thickness
- Ideal die width: $2 \times t + 2 \times$ protective foil thickness + punch diameter + 15 mm
- Before mass production, please make mock-up tests on sample panel.

What to expect:

The bent area may look brighter after bending application.

- A - Punch
- B - Protective Foil
- C - Die
- D - Die Width
- r - Radius



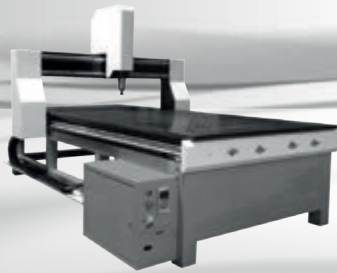
GUIDELINES

- 1) The SSCP sample displayed is for reference only, before ordering you may request a bigger sample.
- 2) To avoid possible reflection differences, it is imperative to install the panels in the same direction as marked on the protective film.
- 3) Please order the total requirements for one particular project in a single order, a must to maintain the consistency.

Look and feel



APL SS01 Mirror Silver 



CNC Router Machine



Carbide Grooving Tool

Recommended Machine and Tool





www.alucopanel.net