

Technical Bulletin Nr 0101 Corus AluplusZinc Material

This technical bulletin is intended to offer guidance in the proper use of Corus AluplusZinc material. AluplusZinc is a product material that has a thin layer of zinc (approximately 4µm applied to both sides of the aluminum)

1.0 Design

- Reference:
- 1.1 AluplusZinc is supplied in 1.0mm gauge material & in a coil width of 578mm only, special consideration should be given to the design of flashings given the gauge & girth stated above. KZS/3-008
- 1.2 AluplusZinc tapered Kalzip sheets are available with a minimum cover width of 245mm & a maximum cover width of 420mm. Corus CS

2.0 Transportation & Site Storage

- Reference:
- AluplusZinc material must only be transported & stored under dry, dust free & ventilated conditions
- 2.1 conditions KZS/3-004/2
- 2.2 AluplusZinc material must only be stored on site under dry, dust free & ventilated conditions KZS/3-004/2
- 2.3 Storage on damp ground or damp pallets or any direct contact with damp materials must be avoided (eg wet covers, wet insulation etc) KZS/3-004/2

3.0 Installation

- Reference;
- 3.1 Site operatives must wear clean cotton gloves when handling AluplusZinc material. KZS/3-004/4
- The protective film must be removed immediately after installation & zipping of the Kalzip
- 3.2 seams. KZS/3-004/4
- if installed sheets must be walked on, then load spreading walk-boards must be used, walk-
- 3.3 boards to reduce damage to the zin finish KZS/3-004/4
- to reduce damage to the zinc finish.
- 3.4 Soiled areas of AluplusZinc material must not be cleaned with abrasive or caustic materials. Most visible differences will be minimized in the course of time by natural weathering. KZS/3-004/1

4.0 Welding

- Reference:
- 4.1 Zinc material melts at 400 degrees which is much lower than the temperature needed to weld aluminum. KZS/3-009/1
- Welding AluplusZinc material without removing the zinc layer would lead to weld
- 4.2 contamination & porosity as well as health & safety hazards. KZS/3-009/1
- 4.3 Remove the zinc layer in the vicinity of the weld area to approximately 25mm wide. KZS/3-009/1

5.0 Touch-up Painting

- Reference:
- AluplusZinc material is not a coating but a natural living material touching-up with a spray paint after welding is not recommended as the over painting would interfere with the natural weathering process
- 5.1 weathering process KZS/3-009/1
- If the visual impact of the aluminum in contrast with the zinc layer is to be minimized then it would be possible to touch-up using a thin brush ensuring that the paint finish does not
- 5.2 encroach on the zinc layer KZS/3-009/1
- Colours offering the nearest match to the finish of the AluplusZinc material would be RAL
- 5.3 7023 & RAL 7030. KZS/3-009/1