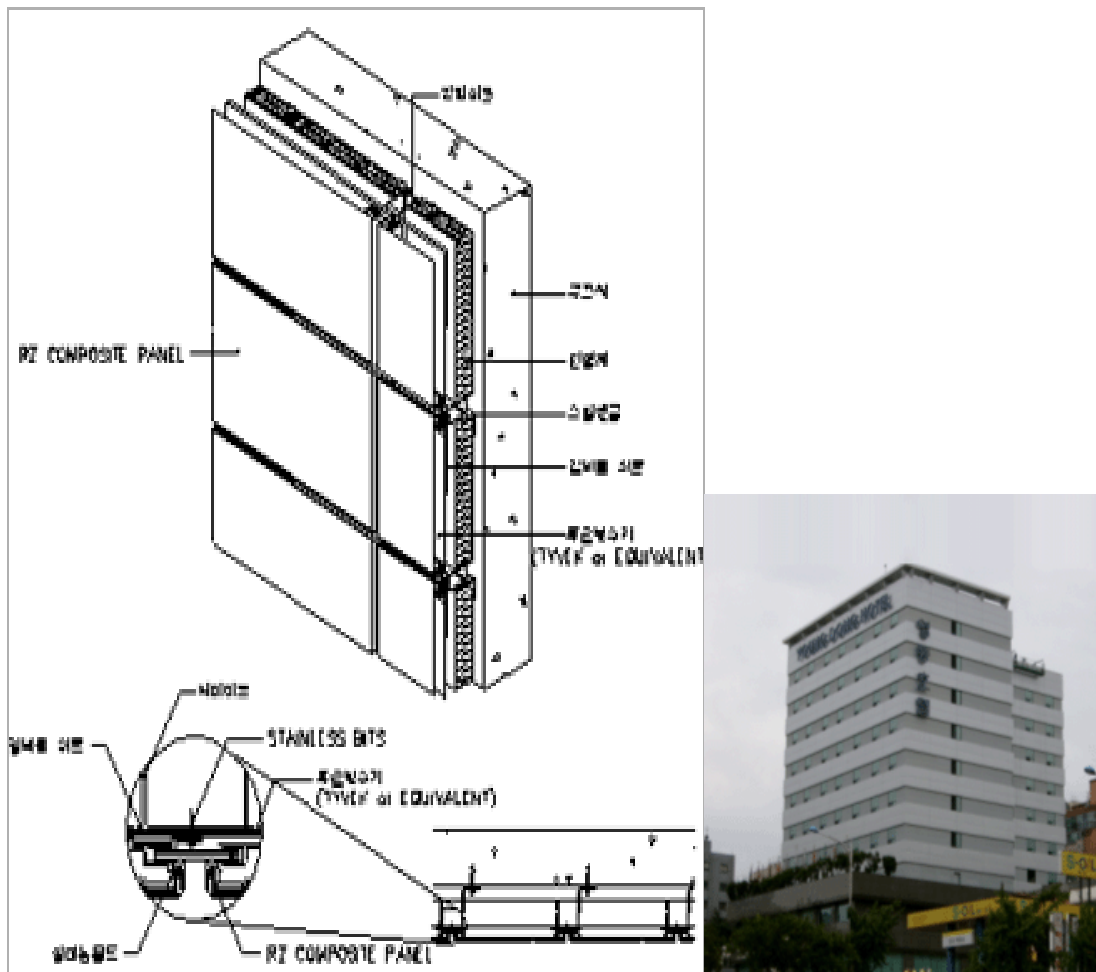


INSTALLATION & HANDDLING MANUAL FOR ZINCOMEX

A. INSTALLATION EXAMPLE OF ZINC COMPOSITE PANEL

A.1. The installation methods shall be decided by architects and normally can be recommended as Open Joint Type, Caulking Type, gasket Type or designer's own specific method.

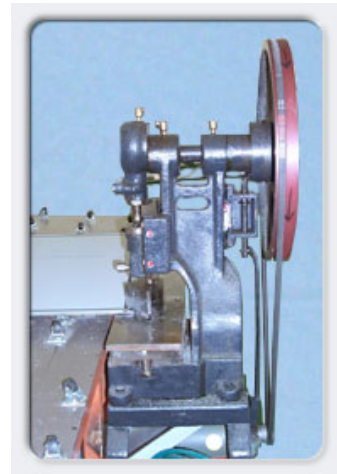
A.2. The below method is good for the flatness and waterproofing and for showing harmony with other construction materials with RHENZINK's own natural coloring and high dignity. Also, it can be recommended for New construction and renovation.



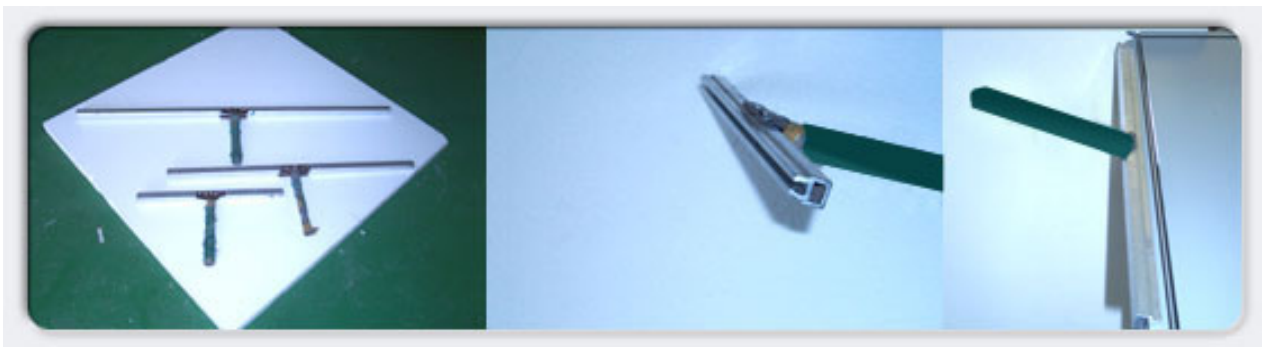
B. Fabrication Machine & Tool List



Cutting & Grooving Machine



Punching Machine for Edge of Corner



Jigs for Folding



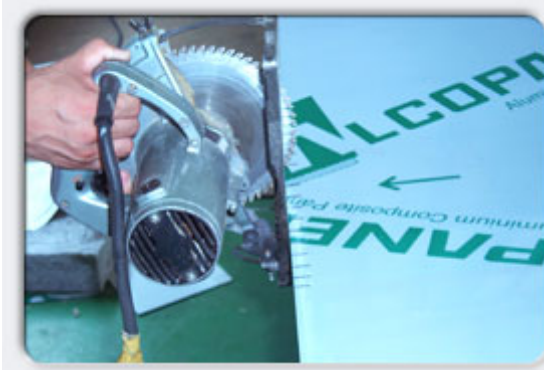
Jig Saw Machine



Router Machine



3-Roll Bender Machine



Side Cutting Machine for Round Bending



Drill



Air-Gun Machine



Silicone Gun With Silicone Sealant



Sealing up the Folded Part



Air Compressor



Glasswool Backing



Sub-Frame



Accessories for fixing on the Wall



Case of Fabrications

C. Handling Manual

C.1. Quality management of Installation

- C.1.1. In order to maintain the Installation quality of Rheinzink Composite Panel, it is recommended to be installed by Installation Company who has excellent experiences in same materials or similar metal panel's works.
- C.1.2. It shall not be installed under the inclement weather condition such as rainy and severe cold season.
- C.1.3. The proper exterior temperature for panel fabrication is 5°C.
- C.1.4. In case Silicone sealant are used for panel joint finishing and other joint, non-pollution type's silicone sealant of metal usage shall be used.
- C.1.5. Installer shall wear the rubber coated glove during the fabrication, transportation, installation in order to prevent being stained with sweat and finger print.
- C.1.6. Rheinzink Composite Panel shall not be exposed it to rain or snow through the stocking in warehouse which can shut out rain or snow. Also, In case of Protection film pasted product, if possible, the protection film shall be removed after installation as soon as possible. Since if any rain or humidity penetrate into film inside, there may occur White Rust on them, it shall be paid attention to this and especially, care full storage before installation is more important.

C.2. Periodic Maintenance

- C.2.1. Periodic inspection shall be carried out by supervisor or managing staff of installation special company.
- C.2.2. Inspection of two times per a year is recommended and any damages or joint part on outlook shall be watched. Especially, this inspection shall be surely to carry out in case of natural disaster such as of big typhoon, flood.
- C.2.3. During the inspection, any alien substance on panel skin shall be removed.
- C.2.4. Especially, alien substance having copper shall be surely to be removed.
- C.2.5. Any damaged panels shall be replaced or repaired as soon as it is found.
- C.2.6. The replacement or repairing work shall be conducted by the supervisor of Installation special company.

D. Cleaning Works

D.1. Rheinzink Composite Panel is not a product which needs Cleaning works, because there cannot be rusted due to the oxidation protection layer of Rheinzink itself. However, in case of the pollution cleaning by alien substances, it shall be accordance with follow instruction.

D.1.1. Non-acid soap (Dove or Ivory brand) with water are recommended to be used for cleaning. This case, piece of soft cloth shall be used and it shall be rinse out one more with clean water.

D.1.2. In case of water cleaning, it shall be carried out by Top to Bottom direction.

D.1.3. Removing Stains or Printing

- 1) To rub the stained part with a piece of soft cloth which touched non-acid stainless cleaner, paint thinner, or WD-40.
- 2) In case of deep stains, steel brush is needed to remove. Through this scrapping the stain off the panel skin, silver white color will be seen. This is the pure Zink layer under oxidation protection layer which will be changed as same color as surrounding color through natural oxidation processing. It takes 2 – 5 years to be same color according to conditions.

D.2. When some spare panels are stored for maintenance usage, those shall be stored inside warehouse which are well ventilated.