

## Specification

The translucent sheeting shall be Lexan Thermoclick polycarbonate interlocking Glazing System as supplied by Ampelite (NZ) Limited. The sheet thickness shall be 40mm and the colour shall be (nominate Opal or Clear). The Thermoclick sheets shall be installed using the purpose-made extruded aluminium glazing system profiles, (select finish: Satin Anodised or Powder Coated (nominate colour), as supplied by Ampelite (NZ) Limited.

## Correct installation is important

Thermoclick polycarbonate interlocking Glazing System shall be installed in accordance with Ampelite (NZ) Limited fixing instructions and with AS/NZS 1562.3:1996, Design and Installation of Sheet Roof and Wall Cladding, Part 3: Plastic. Also, Thermoclick Glazing sheets shall be installed in accordance with the NZ Building Code and the NZ Metal Roofing and Cladding Manufacturers Association Code of Practice.

## Pre-installation guidelines

**Cutting:** Thermoclick sheets can be cut easily and accurately with most standard workshop equipment. This includes common circular, hand and hacksaws with fine-toothed blades. The panel should be clamped to work tables, trestles, etc to avoid vibration.

**Note:** Pay close attention to blowing sawdust/swarf out of the Thermoclick channels before applying end sealing and breather tapes.

**Thermal Expansion Allowance:** Allow a thermal expansion clearance of 3mm per lineal metre between panel top edge and top glazing profile, and between the first and last panel side and aluminium side glazing profiles. This thermal expansion clearance is already taken into account when using the purpose made glazing profiles.

**Sealing Thermoclick Channel Ends:** Apply custom manufactured end sealing tapes, as supplied by Ampelite (NZ) Limited. Use impermeable self-adhesive tape to seal the top open ended channels to prevent moisture, dust and dirt contamination. Apply special self-adhesive anti-condensation venting tape to the bottom open ended channels to prevent dust and dirt contamination and allow condensation drainage.

**Note:** In extremely dusty environments it is recommended that both top and bottom channel ends are fully sealed with impermeable tape.

**Drainage Provision:** Drill 5mm diameter drainage holes at approx 600mm centres on the external face of the bottom aluminium glazing profile just below the sash profile platform to allow condensation to drain to the exterior of the building.

**Fix-Key Installation: (where required)** Attach special purpose aluminium fix-keys, as supplied by Ampelite (NZ) Limited, at each intermediate girt or support taking care to ensure that vertical and horizontal alignment of Thermoclick panels is accurate. (Specify appropriate screw fixings for steel or timber).

**Masking Film:** Remove polyethylene masking film as soon after installation of Thermoclick panels as practicable.

**Storage:** Store Thermoclick sheets in a dry and fire-safe area. Do not store heavy materials on top of sheets as they may fracture.

**Recycling and disposal:** Polycarbonate sheeting is fully recyclable and can also be disposed of in a land fill.

## Health and Safety Data

**Non-trafficable:** Thermoclick sheeting is a non-trafficable material. Sheets should be handled with care to avoid damage to the surface. Guarantees will not apply to sheeting that has been damaged in handling, or mechanical damage as a result of foot traffic. There are no ill effects from handling Polycarbonate sheeting as a finished product. Some exposure to airborne particles occurs on drilling, cutting and trimming of the material. Although there are no known cases of harmful effect, even after long term exposure, it is recommended to take appropriate precautionary steps.

## Effects of Exposure to Dust Particles.

**Eye Contact:** Can cause irritation. Appropriate eye protection should be worn. If irritation occurs due to exposure to dust particles, wash eyes with running water using an eye bath or wash bottle. If irritation persists seek medical attention.

**Skin Contact:** Can cause irritation. Shower thoroughly using soap and a cloth or sponge.

**Inhalation:** Dust masks are recommended although particles are not irrespirable.

**Ingestion Non-toxic:** Extensive studies have revealed no serious effects.