

AQUA-PLAS® 2

KICK-WALL INSTALLATION CHECKLIST

When attaching **Aqua-Plas® 2 (AP 2)** "Kick Wall" sheets to a trailer's interior wall, be aware of the special polymer's rate of thermal expansion and contraction. Using self-tapping screws with washers is an effective method, **but the holes must be pre-drilled to prevent the plastic from buckling** or warping over time.

PREPARATION AND CUTTING

- **Measure and Cut:** Cut the AP 2 sheets to fit your trailer walls using a circular saw or jigsaw.
- **Acclimate:** Allow the sheets to sit inside the trailer for 24 hours to acclimate to the temperature.
- **Plan Seams:** Allow for 1/4" expansion/contraction. Some install the sheets with a 1/8" gap between the sheets. Others overlap the sheets by 1/4", etc.

!! PRE-DRILLING (CRUCIAL STEP)

Do not drive the self-tapping screw directly through the AP 2 without pre-drilling. The polymer expands and contracts, if it is fastened too tightly, it will buckle.

- **Pre-drill:** Drill holes through the AP 2 sheet, 1/8" **larger** than the diameter of the screw shank. This oversized hole allows the plastic to move slightly around the screw.
- **Spacing:** Space screws approximately every 8-12" along the studs.

FASTENING WITH SCREWS AND WASHERS

- **Use Washers:** Place a fender washer or rubber-backed (neoprene) washer on the screw. This distributes the clamping force, preventing the screw head from tearing through the plastic.
- **Insert Screws:** Insert the self-tapping screw (with washer) through the pre-drilled oversized hole and drive it into the metal studs. **DO NOT** overtighten. The sheet should be secure but allowed to expand slightly under the washer.

KEY TIPS FOR SUCCESS

- **Expansion Management:** The most important factor is creating oversized holes to allow for movement, especially if the trailer is exposed to high temperature changes.
- **Adhesives:** Do not rely on adhesives. AP 2 has low surface energy, meaning glue generally will not stick to it for long.
- **Fastener Choice:** Stainless steel self-tapping screws with rubber-backed washers (often used in roofing) are the best option for a watertight, long-lasting hold



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