Repair to field damaged areas of All Weather Insulated Panels can usually be performed in one of three ways:

1. Filling and re-texturing the area with automotive putty (Small area)
2. Re-skinning the panel facing (Medium area)
3. Replacement of the panel or section of the panel (Large area)

These methods of repair are also shown in the order of magnitude of the repair: smallest to largest.

*Note: It is important to note that any repair of insulated panels, short of replacing them completely, may leave a noticeable area where the repair was performed.*

**Filling with Automotive Putty**

Repair to small areas of a damaged panel (dings and scratches, etc.) can be effectively done with automotive putty (Bondo®, or similar). The sheet metal exterior and interior skins can be repaired in a manner similar to fixing a ding on an automobile. The area can be prepared, filled, textured and re-painted.

The texture in the putty can be replicated by pressing a piece of identically profiled flat stock or trim into the putty while it is still malleable.

Retouching of the repair area should be performed with a good quality, color-matched exterior grade acrylic base paint. The paint manufacturer may recommend a specific primer or undercoat preparation.

Small dings may also be repaired with an auto body “suction kit”.

**Re-skinning the Panel Facing**

Repair to medium sized areas of a damaged panel (larger creases, dents, etc.) may be achieved by covering the damaged area with a matching panel skin. The skin is adhered with an industrial adhesive or a two sided acrylic tape in combination with paint matching 1/8” pop rivets.

Replacing or re-covering the panel skin is best done with a full width piece that covers the panel from joint to joint. The replaced skin will create a noticeable line across the panel, so the repair should be accomplished with this in mind. Carefully seal the topside horizontal line with a clear or color matching acrylic to inhibit water intrusion behind the “patch”.

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Recommended Panel Repair Methods
Replacement of a Complete Panel or Section of a Panel

Damage to large areas (vehicles, forklifts, etc.) can be performed by a method known as “folding in a panel”. This repair method is performed by exposing and drilling out the fasteners of the damaged panel(s) and the panel to the immediate right or left. The damaged panels are removed and the replacement panels are “folded” back into the wall by aligning the joinery on both sides of the panels and pressing them flush against the structural framing with adequate force to allow full engagement. The panels are then back-fastened using expansion fasteners (Fab-lok or similar).