

Cutting material to shape

- ?? Hitherm™ material can be easily cut to any size or shape. Simple hand tools such as modeling knives, razor knives or utility knives can be used.
- ?? Sharp blades should always be used; dull blades will tend to tear the material.
- ?? Paper cutters can be used for cutting out large shapes.
- ?? Leather and paper punches can be used to cut out holes.
- ?? Steel rule dies can be used for production cutting. Contact Graftech for detailed technical information on die cutting.
- ?? Adhesive backed materials should be cut with the backing paper attached. Multiple cuts may be required to cut through the backing paper.
- ?? Sheets should be cut individually; do not stack sheets together or tearing may occur.

Application of adhesive backed material

- ?? Care must be used with Hitherm™ adhesive backed material to achieve the highest performance. Use the following procedure to apply Hitherm™ adhesive backed material.
 1. The mounting surface should be clean and dry prior to application. Clean the mounting surface with isopropyl alcohol (isopropanol) applied with a lint-free wipe or swab.
 2. The backing paper should be removed by peeling it away at an angle from the Hitherm™ material. Keep the Hitherm™ material flat while doing this. Peeling the Hitherm™ from the backing paper while keeping the backing paper flat will result in creasing and damage to the Hitherm™.
 3. Apply the HiTherm to the mounting surface at slight angle using finger pressure to reduce the potential for air entrapment.
- ?? Once bonded to a surface, Hitherm™ adhesive backed material cannot be repositioned. Attempting to remove Hitherm™ adhesive backed material will result in damage to the Hitherm™ material.

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HiTherm™ Application Notes

Removal of adhesive backed material

?? Hitherm™ adhesive backed material can be removed without scratching or damaging the underlying surface by using the following procedure:

1. Apply the adhesive side of a high tack adhesive tape (such as duct tape) to the Hitherm™ material. Press the tape firmly against the Hitherm™ and pull away. Some Hitherm™ will transfer onto the tape. Repeat 45 times using a fresh portion of tape in each application. When most of the mounting surface is exposed, stop.
2. Apply isopropanol to the remaining Hitherm™ material and adhesive and wait 1 minute.
3. Using a wooden or plastic scraper, push the Hitherm™ off the surface. Gather up the loose material using a wiping cloth. Then soak a cotton tipped swabbing stick in isopropanol and use it to remove any loose Hitherm™ material or adhesive. Some mild scrubbing action may be necessary.
4. Perform a final cleaning of the mounting surface with isopropanol applied with a lint-free wipe or swab.

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