

## **Thermal Fused Door Care and Maintenance**

### **Cleaning**

Thermal Fused NEER VENEER® is fused into the door substrate using very high temperatures and pressure. This ensures that the NEER VENEER® adheres permanently to the substrate and will not crack or delaminate like HPL and similar products sometimes do. Thermal Fused doors are exceptionally durable and scratch-resistant.

Thermal Fused doors are easy to clean. Wipe surfaces using a non-abrasive household cleaning agent. Tung Oil will remove fine scratches and give the door a deep rich glow. Follow the manufacturer's directions when using Tung Oil.

Carefully select your wiping cloths. Choose a cloth which is lint-free. Clean, soft cloths made of cotton and cotton flannels are preferred. Avoid synthetic materials, like polyester and rayon which tend to be abrasive.

### **Adjustment and Maintenance**

Insure that all doors swing freely and do not bind in their frame. Adjust the finish hardware for proper alignment, smooth operation and proper latching without unnecessary force or excessive clearance.

Review with the owner/owner's representative how to periodically inspect all doors for wear, damage and natural deterioration.

Review with the owner/owner's representative how to periodically inspect and adjust all hardware to insure that it continues to function as it was originally intended.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and The Maiman Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

## **Thermal Fused Door Face Scratch Repair Procedure**

The Maiman Company Thermal Fused Standard Flush Doors are highly scratch resistant, even more so than High Pressure Laminate. But, they are not *impossible* to scratch. Following, are guidelines that will allow limited on-site repair of our Thermal Fused Flush Door faces:

### **1.) Superficial Mars or Scratches in the Resin Finish**

The quickest repair for this type of scratch is wiping/buffing the scratch with a soft cloth and furniture polish. If the use of furniture polish does not remove the scratch to your satisfaction, the use of #0000 steel wool will amaze you with its ability to remove these types of scratches.

Thermal Fused Door Care and Maintenance**2.) Gouges and Scratches in the Laminate Paper**

These repairs take a little additional time and effort to satisfactorily repair. The preferred laminate repair materials are colored hot melt wax sticks (available at your wood finishing supply store) and FormFill®. FormFill® is available at 888-536-0042, or on the web at [www.formfillproducts.com](http://www.formfillproducts.com). After using either of these materials, you may wish to dust with satin spray lacquer to match surrounding sheen, but for most colors and patterns, it will not be necessary. You can even use colored permanent markers to hide some scratches.

**Always check a small area first, to ensure color compatibility of these products.**

To use the colored hot melt wax sticks, heat up the appropriately colored wax stick with an inexpensive hot melt glue gun and let it flow into the substrate. After the wax has hardened (approximately 10-15 minutes), carefully trim the excess material rising above the door surface with a razor blade. Draw in grain lines, if necessary.

**Thermal Fused Door Undercutting Procedure**

All Thermal Fused doors are shipped from the factory with your choice of NEER VENEER® faces, black or commercial matched impact resistant polymer edgebanding, pre-machining, pre-fit and bevel. All non-rated and 20-minute door edges including top and bottom are factory-sealed, saving time and expense on the job site. No field finishing is required on Thermal Fused doors, unless a paintable face has been chosen.

In the rare event that field fitting is required, the following steps must be followed:

1. Fitting should be done on the bottom of the door only. **Consult the factory for replacement impact resistant polymer edgebanding before fitting**
2. Mask the cut line with heavy masking tape.
3. Score the cut line with a razor blade to prevent chipping.
4. Cut slowly using a sharp carbide-tipped plywood blade; a temporary fence applied to the surface of the door is helpful in maintaining a straight line.
5. Edgebanding should be reapplied using contact cement. The recommended type is 3M Hi-Strength 90 Spray Adhesive. Follow the instructions of the adhesive manufacturer to obtain the best results.
6. Trim the edgebanding flush with the face and edge of the door using a carbide flush trim router bit.