



THERMALSAFE PANEL REPAIRS

TECHNICAL BULLETIN

Vol. 13.10

APRIL 2017

THERMSAFE REPAIR KITS

Metl-Span ThermalSafe panels have a non-combustible structural mineral wool core that is dimensionally stable and water repellent but subjected to damage during transit or on-site which can compromise the structural integrity of the panel.

This procedure is intended to fix small voids or damages to the mineral wool core along the panel's sides and ends by using the appropriate repair block as described below. Consult your Metl-Span representative, if large areas are damaged, as it may be necessary to replace these panels.

Small voids in the mineral wool core or damages along the panels' sides or ends can be easily fixed on-site using the proper repair kit. Metl-Span supplies ThermalSafe repair kits upon request. The kits are product specific and should be used only to repair ThermalSafe panels.

ThermalSafe's double tongue and groove joint design with an integral spline is achieved by engaging the male edge of the panels into their female edge. If a void or damage occurs at either edge, use the corresponding male or female repair block as shown in Figures #1 and #2. If the void or damage occurs at either of the panel's ends, use the solid repair block shown in Figure #3.

1. Identify the repair block required to conduct the repair.
2. Use a hacksaw to adjust the repair block's dimensions as needed, dry-fit it in the affected area to confirm it covers it completely and remove it.
3. Assemble the adhesive applicator according to the manufacturer's instructions.
4. Apply the Loctite Hysol Epoxy Adhesive in the back of the repair block. Let the adhesive set for two minutes then place the repair block in the affected area. Avoid handling the panel while the adhesive fully cures and ensure the repair block has been adhered back to the core.

Male Repair Block

Use this block to repair a void or damage along the Male edge of a ThermalSafe panel.

Use a hacksaw to cut the block to the required width; if the height of the block needs to be adjusted, cut out the same quantity off from both ends of the block to allow the male spline be aligned at the center of the height of the block.

Figure #1



Female Repair Block

Use this block to repair a void or damage along the Female edge of a ThermalSafe panel.

Use a hacksaw to cut the block to the required width; if the height of the block needs to be adjusted, cut out the same quantity off from both ends of the block to allow the female groove be aligned at the center of the height of the block.

Figure #2



Solid repair block

Use this block to repair a void or damage along either of the ThermalSafe’s panel ends.

Use a hacksaw to cut the block to adjust the block to the required dimensions.

Figure #3



Epoxy Sealant, Application Gun and Nozzle

Follow the manufacturers’ recommendations for a proper use of the epoxy sealant.

Figure #4





METL-SPAN

1720 LAKEPOINTE DRIVE, SUITE 101

LEWISVILLE, TX 75057

877.585.9969

INFO@METLSPAN.COM

© 2019 Metl-Span, part of the Cornerstone Building Brands family. All Rights Reserved.

