

KitPackers®

AN ELLSWORTH ADHESIVES COMPANY 

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INSTRUCTIONS FOR HANDLING, STORING, & THAWING PREMIXED & FROZEN (PMF) PRODUCTS

The product you have received is a two component resin system that has been precisely weighed, mixed, degassed, packaged, and quickly frozen at -40C to -80C to retard the chemical reaction between A & B or the curing of the polymer. This product is then shipped expedited freight in insulated containers with -80C dry ice, or for some products not compatible with dry ice, with 14C blue ice gel paks. Once the product is allowed to thaw it begins to cure or the chemical reaction continues at a relatively fast rate.

Therefore, it is very important that upon receipt of the shipment that the PMF product is transferred to a -40C freezer without any additional handling or delay. Delays in shipment and delays in receiving must be avoided as the PMF package must be transferred to a -40C freezer with 48 hours of shipment to maintain product quality. Special packaging can be used to extend the 48 hour window for International shipments. It is recommended that these PMF products equilibrate to -40C prior to warming them to room temperature (RT) for use. This should occur within 24 hours maximum. If a PMF product is brought from -80C dry ice directly to room temperature there is a high probability of creating irreversible air voids.

Prior to application or use, allow the PMF product to thaw naturally to RT (20-25C) by placing vertically with the dispense tip up, in the case of a syringe or cartridge. We do not recommend using additional heat sources such as ovens, hot air guns, hot plates, or warm water baths to speed up the thawing process. Thaw time varies from 10 minutes to two hours depending on the type and size of the PMF package. Wipe all excess moisture off the package prior to use.

Once thawed to RT, the product must be applied within the specified work life, and then discarded. In most cases, the left over material once cured can be disposed of as non hazardous waste. We do not recommend that the product be refrozen and reused.

CAUTION: USE THICK PROTECTIVE RUBBER GLOVES WHEN HANDLING DRY ICE. READ AND UNDERSTAND MSDS PRIOR TO PRODUCT USE AND WEAR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT SUCH AS SAFETY GLASSES AND RUBBER GLOVES.