



Roofing & Building Maintenance

QUESTION + ANSWERS

POWERply Endure BIO Adhesive

New Set Packaging— Curative packaged within pail as a single unit

Frequently Asked Questions— 9.24.20

Q. WHAT IS POWERPLY ENDURE BIO ADHESIVE TF (PEBA TF)?

A. PEBA TF is a 2 component, 100% solids polyurethane membrane adhesive for low slope roofing systems. Available in 4 gallon units consisting of 3.5 gallons of Base and 0.5 gallons of Curative.

Q. HOW HAS THE PACKAGING CHANGED?

A. The Base and Curative are now packaged together as one unit, called a Set. The 1/2 gallon Curative container is sealed in the plastic pail, separated above the Base in a plastic tray.

Q. WHAT IS A SET?

A. In Tremco's product line, a Set describes a 2 component product packaged as one unit. Another example of a Set is Low Rise Foam Insulation Adhesive, where the dual cartridge is packaged and sold as one product.

Q. HOW IS A SET DIFFERENT FROM A KIT?

A. A Kit is a 2 component product packaged (and shipped) as 2 separate units. On jobsites, contractors must take additional steps to keep these separate components together.

Q. WHAT ARE THE ADVANTAGES OF PACKAGING THIS PRODUCT AS A SET?

- A.
1. Reduces storage space required.
 2. Streamlines the shipping of this product— one unit handled instead of 2
 3. Simplifies the handling of this product on the roof— Curative is always with the Base.
 4. Reduced chance of mixing error— the correct Curative is always with the Base



Q. WILL THE CURATIVE PACKAGE LEAK INTO THE BASE DURING SHIPMENT OR STORAGE?

A. No, the 1/2 Gallon Curative is packaged in a sealed metal can and has proven to be leak free through long term testing at high temperatures of 158F (70C). The metal cap has an airtight foil seal and is factory torqued to a specified range of 15 - 20 lbs.

The 1/2 gallon metal Curative container rests in a plastic (HDPE) tray and is sealed from the Base liquid by the pail gasket. The HDPE tray is chemically resistant to the Base. The 1/2 Gallon Curative container and tray are then packaged in a plastic 5 gallon pail.

Q. IS A PLASTIC 5 GALLON PAIL DURABLE ENOUGH TO WITHSTAND SHIPPING AND STORAGE ON THE ROOF?

A. Yes! Tremco has conducted long distance shipping tests and this Plastic 5 Gallon Pail Set including the tray and 1/2 Gallon Curative have survived these shipping trials and performed reliably, with no leakage or failures.

Contractors prefer plastic 5 Gallon Pails over steel pails, because the plastic pails are quicker to open. The plastic zip strip is removed from the lid in one motion, and the lid is easily pried off the rim of the 5 Gallon Pail. The lid may be reclosed, as long as the Base and Curative have not been mixed.



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Q. HOW IS PEBA TF MIXED?

A. Tremco's mixing recommendation for 2 component coatings/adhesives has not changed:

1. Use a corded drill and a jiffy mixer paddle to mix the Base for 1 minute.
2. Open the Curative and pour the entire contents (1/2 gallon) into the Base (3.5 gallons).
3. Blend the Curative and Base for at least 2 minutes, making sure the final mix is a consistent color with no streaks.
4. PEBA TF has an open time of about 30-35 minutes at rooftop temperatures of 77F 50% RH.

Please refer to the POWERply Endure BIO Adhesive Installation Guide for more information on mixing and application.

Q. CAN I USE MORE CURATIVE TO MAKE PEBA TF CURE FASTER OR LESS CURATIVE TO SLOW DOWN THE CURE?

A. No, if the ratio of Base to Curative is changed in any way, the final properties of the cured product will be altered. If too much Curative is used, the resulting mix will be too brittle. If too little Curative is used, the mix may never cure properly.

Q. IF I ONLY NEED ONE OR 2 GALLONS, CAN I SPLIT THE BASE AND CURATIVE INTO PARTIAL CONTAINERS TO SAVE THE REMAINING COMPONENTS OF PEBA TF FOR ANOTHER DAY?

A. No, Tremco does not allow mixing of partial containers, due to the potential for blending errors. Only full containers may be mixed.

Q. AFTER BLENDING THE CURATIVE AND BASE, CAN I RESEAL THE CONTAINER AND SAVE THE ADHESIVE FOR LATER?

A. No, once the Curative is blended into the Base, the pot life cannot be extended.

Q. CAN I STORE THIS PRODUCT IN FREEZING CONDITIONS?

A. Yes, the unopened containers of PEBA TF may be stored in freezing conditions. However, the product components must be warmed back up to above 45F (7C) before mixing.

Q. WHAT IS THE SHELF LIFE OF PEBA TF?

A. PEBA TF has a published Shelf Life of 12 months.

Q. WILL THIS NEW PEBA TF SET PACKAGING HELP REDUCE VOLUME OF WASTE GENERATED ON THE JOBSITE?

A. Yes, it will! Currently, most contractors stack pails on site prior to discarding and former gallon sized Curative containers were separately discarded.

With the new packaging, the empty 1/2 gallon Curative container may be placed in the bottom of each pail prior to stacking. The plastic Nesting Trays are then stacked upon each other and placed in the last (top) pail. The new packaging will be more compact and provide less volume of waste.