



Plural Component Polyurea Elastomer Systems

Instruction Guide

Plural Component Cartridge Pack
Assembly and Application
HM 45

Assembly



Assembly-Step 1

Before dispensing, cartridge units should be brought up to at least 60° F to obtain proper viscosity of product. Prior to unit assembly, shake cartridge pack vigorously for 2-3 minutes to insure proper mixing, then remove plug cap inserts as shown in the picture above. Once caps have been removed, clean and store in a safe place. In the event that all material is not used, simply replace the plug caps and screw on the threaded lock nut for safe storing.



Assembly-Step 2

When the plug caps have been removed, insert the static mixing wand through the back of the threaded cartridge lock nut. Once this has been completed, the mixing wand is ready for mounting to the cartridge by tightening the lock nut. NOTE: Be sure the lock nut is on tight enough to prevent leakage, but do not over tighten.



Assembly-Step 3

With the mixing wand assembly completed, insert the unit of VersaFlex product into the Duplex Caulking Gun.

>>IMPORTANT<<

Hold the cartridge upright when attaching the mixing wand to the unit. The material inside is low viscosity, it is likely to run out if pointed in a downward position.



Assembly-Step 4

The assembled VersaFlex Duplex Cartridge should look like the one pictured here.

NOTE: Before dispensing of product has started, always maintain the gun, cartridge and wand in a vertical position to prevent material from running out of mixing wand.

Surface Preparation

1. Previously coated surface should be clean, dry, and in sound condition.
2. If necessary, mechanically “abrade/rough up” the surface to provide the proper profile.
3. Apply VersaFlex TackCoat or Dzolv at the recommended rate per gallon to make the surface tacky. Either product may be applied by using a clean cotton rag, or sprayer.
4. Surface should be “tacky” but not wet when HM 45 is applied. If surface becomes dry to the touch, lightly re-apply to activate surface and achieve “tackiness”.

Product Application



Application-Step 1

Before application, the area designated for installation should be properly prepared/cleaned. The use of rubber gloves is highly recommended since the product has high adhesion to the skin and is difficult to remove after curing. Upon completion of the proper preparation steps, a small amount of material should be discharged into a small container to ensure that the gun plungers are applying even pressure to the material in the cylinders.

Application-Step 2

Initial dispensing should be done rapidly until properly mixed material is exiting tip then maintain a steady, consistent pressure. Applying jerking or sporadic pressure will result in sections of uncured product. The size of the wand orifice allows only a certain maximum flow rate. When making repairs to large areas or fractures, a small portion of the wand tip may be cut off to allow greater material flow. Dispense a sufficient amount of material to cover the prepared area and allow to dry before placing back into service. Use paint brush as necessary to level out areas and spread evenly.

Product Storage

Storing Unused Product-

Remember those black cartridge plugs you cleaned and saved? The mixing wand can be discarded and the black plugs replaced into the cartridge head. The threaded lock nut can then be screwed on over the plugs to hold them in place.

THE MIXING WAND CAN ONLY BE USED ONCE, simply discard it, *BUT SAVE THE THREADED LOCK NUT*.

Alternatively, the mixing wand can be left in place with the cured material inside, then removed and discarded before additional product is used. Cartridge should be stored in upright position.

NOTE: Because of the limited amount of product in each unit, cartridge dispensers are designed for *SMALL PROJECTS ONLY*.

Clean-Up & Safety

Cured product may be disposed of without restriction. Excess liquid “A” and “B” materials should be mixed together and allowed to cure, then disposed of in a normal manner. Product containers that are “drip-free” may be disposed of according to local, state and federal laws. Use disposable or plastic tools such as cardboard trowels and plastic buckets, whenever possible. Disposable tools may be thrown away. Cured material may be stripped or peeled from plastic tools and containers. Steel mixers or other metal tools are more difficult to clean. It is recommended that metal tools be cleaned within one hour of use by cutting or peeling cured material from tool.

Read and make sure that personnel understand product Material Safety Data Sheets. Available at www.versaflex.com

Basic safety recommendations for personal protection are:

- Long-sleeve overalls or disposable Tyvek overalls
- Rubber gloves
- Splash shield or safety glasses with guard
- Do not use near high heat or open flame
- Do not take internally
- Keep out of reach of children

For more information, please visit us on the web

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