

Dean's Tips & Tricks TB90™ Wear Compound Installation

I'm Dean Green, **Wear-Concepts Project Maintenance Manager** and **Field Crew Supervisor**. I've been inside of hundreds of plants and repaired thousands of wear problems in facilities just like yours. Along the way I have developed some great methods for installing a variety of different wear solutions. I'd like to share some of my tips & tricks with you.

Triple Bead 90™ Wear Compound, (referred to by us as **TB90™**) is used by either our shop or our field crew daily. Why? Because it is so incredibly versatile. In this installment of my Tips & Tricks, I'm not only going to share with you how to use **TB90™** but also where to use it.

The surface that is going to receive the **TB90™** must be clean of dust, oil, or any other kind of residue.

Weather affects the curing time. Therefore:

- Cold – Keep the **TB90™** in a warm place until it is to be used or get it warm before you use it.
- Hot – Cures faster. Make sure to portion only what you can use in 20 to 30-minute periods.
- Humid – It also cures faster. Make sure to portion only what you can use in 20 to 30-minute periods

TB90™ is an epoxy-based product. It consists of a Part A Resin and a Part B Hardener; therefore, make sure you are in a well-ventilated area when you mix it. It can be mixed by trowel on a clean, dry surface or by hand when wearing rubber gloves. Mixing by hand is the quickest method. It is also the best method if you are applying **TB90™** in larger quantities. If we are covering large areas, **TB90™** can be mixed with an “egg” mixer attached to a heavy duty ½” or ¾” drill.

Even though **TB90™** is self-adhesive, jobs that have a lot of surface area need to be reinforced. ½”, #13, raised-face, expanded metal mesh is what we use to strengthen the **TB90™ Wear Compound**. The mesh is tack-welded every foot or so, and then lifted away from the surface of the area to be coated. The **TB90™** is then packed behind and spread over the mesh in



whatever thickness is required.

Heavy-duty nitrile gloves are needed when working with **TB90™** for extended times. The ceramic beads eventually wear their way through the gloves that are provided in the kit.

We use water in a spray bottle to help smooth out the **TB90™** which gives it a nice sheen.

Remember that **TB90™** almost always makes the perfect transition from one material to another.

Here are some of my pictures of us installing **TB90™** in a variety of applications. I hope these help to inspire you.

