

# Hydrotech Coating Systems

## Dura-Systems Specification Advisory

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### **BACKROLLING** (Why, When & How)

Backrolling is an important technique that adds versatility and capability to the application of any flooring/decking materials and/or systems. It is especially important with the DURA SYSTEM Materials because it brings additional speed of application to an already quickly applied system.

The general idea of backrolling is to be able to apply texture granules of choice; be it rubber, sand, aluminum oxide or copper slag granules, at the same time as applying the topcoat sealer.

Backrolling can be done on old coated surfaces where the topcoat is being re-applied because of wear & tear and/or aesthetics and on new decks receiving their first topcoat application and where additional texture is desired on all or part of the deck area.

#### **EXISTING DECKS BEING RE-TOPCOATED**

On decks that have an existing urethane decking system in place, a DURA SYSTEM or any other brand, that is being re-topcoated, the need for additional texture is most likely needed only in certain high wear areas of the deck. The areas on stair treads, pivot areas at the top of stairs, door ingress/ egress areas, elevator exit areas, turning radius on vehicle traffic decks and such, tend to show texture wear faster the general area of the field of the deck.

With the proper back rolling technique, the texture in those specific high wear areas can be retextured at the same time as the new topcoat is being applied to the whole deck area.

When re-topcoating an existing system, refer to the DURA SYSTEM ADVISORY "APPLICATION OF A NEW TOPCOAT" for further information.

#### **NEW DECKS HAVING THE TOPCOAT(S) APPLIED FOR THE FIRST TIME**

On new decks, the ability to add additional texture to the surface while applying the original topcoat(s) to the deck speeds up the total application process. Basically, you are doing two jobs at once – adding additional texture at the same time as applying the topcoat, making it a one step process.

Depending on the site specific requirements of the deck, only some areas may need additional traction enhancement. As cited above, they may be the very heavy wear & tear areas such as step treads, pivot areas, ingress/egress areas and turning radius areas on vehicle traffic decks and such.

## **BACKROLLING TECHNIQUE**

**CAUTION:** Do not try this application technique without some practice or the aid of someone experienced in back rolling to help and guide you. A little practice on scrap plywood will go a long ways in preparing the applicator in perfecting this technique. Practice makes perfect and the only real teacher is experience!

Back rolling is accomplished by mixing and applying the DURA FLEX topcoat of choice normally to an area and then lightly and evenly broadcast the additional texture of choice onto the wet surface. A rate of about 20 to 30% or as needed.

You can use spiked shoes to walk out onto the wet surface to back roll or do an area just large enough to reach across with your roller and pole.

Extending and then placing the roller away from yourself, you then pull back towards you, without applying any pressure, just the weight of the roller and handle, in an even and smooth manner. (Do not “push” the roller away from you as this will cause clumping. Pull the roller, that’s why it’s called “back rolling!”) This action will roll the material and texture together and spread it out evenly and bonded together on the deck surface.

Repeat this cycle of topcoat application, light broadcast and back rolling across the area to be coated and textured.

### **HINT: Apply the second coat first!**

If you are only addressing specific high wear areas, such as stair treads, turning radiuses and such, you can do them ahead of time and then come back over them with one continuous topcoat application without having to pause to do the broadcast and back roll cycle during the full application process. In other words, apply the “second” coat & texture granules to the areas where it is needed first, then apply the full topcoat over the entire deck in one continuous process!

Identify the areas to be done ahead of time and apply a thin “tack” coat of the chosen topcoat material and back roll the additional texture into this coat. This will lock down the added texture so when the full topcoat application is done at the specified rate of coverage and thickness, these areas have already been done and a seamless and even final finish is accomplished over the top of these areas to blend them in and really lock the texture down. This can be done on old decks that are being recoated or on new decks that are receiving their first topcoat(s).

Remember, practice makes perfect!