

MUDSHIELD 55

SUPERIOR TOP COAT CONCRETE PROTECTION

Notes & Tips

- PPE - Wear Gloves and Eye Protection while handling this product.
- Do not coat your concrete the day after you cast it. Do not coat your concrete the same day that you wet process the surface. Concrete cure time depends on environment, temperature, altitude, mix design and other factors. For any coating application we suggest to wait a **minimum of 24 hours after wet processing**. You have gone through all that work to cast your concrete project....don't be hasty.
- Heat/temperature will affect the work time of the coating. We recommend keeping MudShield 55 in cooler temps to start out with a cooler mix.
- Although not required, acid etching will create the best possible bond for the coating to adhere to.
- We recommend mixing 3 - 5 oz at a time. This is a reasonable amount and will cover a mid-sized project.

Surface Preparation

Concrete surface must be cured, clean, dry, & free of contamination prior to application of MudShield 55. We recommend not exceeding 200 diamond polishing and the surface should be dry-sanded (post polishing) to remove any remaining swirls and sanding marks.

Mixing

- For mixing use: 8 oz paper cup | 4 oz glass measuring cup | Wood tongue depressor stick
- MudShield 55 is a 2K system: **4** Parts "A" to **1** Part "B" [4:1]
- Open the "A" can (Resin) and mix the material thoroughly
- Swirl the "B" can (Activator) for a minute with the lid on to adequately mix. Open the lid.
- Measure out "A" and "B" quantities by volume
- Pour "B" into "A" and begin to stir. Mix by stirring in one direction, reverse, and stir the other direction. Make sure to scrape the sides all around while stirring to ensure that you have completely mixed the two components properly. Mix for 2 minutes..



Coating Application

Roller Application is Recommended

* Do not throw away the roller sleeves. The first couple of uses may shed a tiny bit of hair-fiber. Clean them with acetone and reuse multiple times. Once the roller sleeves are “seasoned” they will no longer shed and will create beautifully smooth and consistent finishes.

First Application:

Use a 9 in. x 1/4 in Polyester Adhesive & Epoxy Roller to apply sealer. For tight spaces we recommend using a 4" x 3/8" nap roller or chip brush. Starting at one corner of a piece, pour sealer onto the concrete and immediately begin to roll material out over the surface. Move outward from your starting point. Once you have begun rolling out sealer, be sure to pour additional sealer only on areas that have already been coated with sealer. Randomly pouring sealer on uncoated areas can cause blotchy and spotty appearances. Once the concrete surface is completely coated, make several roll passes to even out the film thickness of the coating. **IMPORTANT:** Less is more with this sealer.

Backroll:

To achieve your perfect finish, use a 5/16" or 3/8" nap non-shed microfiber roller to back-roll the sealer. Begin at one side of the concrete piece and work your way down towards the opposite side. Apply a bit more pressure to the unrolled side to feather roller lines across a project's surface. You may need to make a few passes.

Subsequent Applications:

- Wait a minimum of 24 hours prior to recoating or sanding.
- We recommend always sanding between coats with 220 grit. If you are re-coating within 48 hours of the first application, sanding is optional, but gives subsequent coats a better grab and smoother finish.

Spray Application Method

Siphon Tip = 1.4mm – 1.7mm / 40-55 PSI at the gun Gravity Feed: Tip = 1.3mm – 1.4mm / 40-55 PSI at the gun
HVLP Spray Guns: Tip= 1.3mm – 1.5mm / 10 PSI max (at the air cap)

- Apply 1-2 medium coats until desired coverage is reached. Allow a 5-10 minute flash time between coats
- Recommended film thickness: 2.0 to 5.0 mils DFT
- Surface temperatures must be at least 5° F (3° C) above the dew point for application.
- Thinning: MudShield 55 can be thinned out with 5% xylene of total volume. The need to thin this sealer is rare. *Example: 4 oz A : 1 oz B = 5 oz - Add .25 oz xylene.*

Clean Up

Follow local, state and federal regulations. Refer to Material Safety Data Sheet for proper handling of products listed in this bulletin. Acetone may be used to clean application rollers and other equipment immediately after use. All rollers can and should be reused for multiple applications after use.