

MUDSHIELD 45

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.
- Although not required, acid etching will create the best possible bond for the coating to adhere to.
- We recommend mixing 5 - 8 oz at a time. Coverage should be about 5 sq.ft. per oz.
- Thinning: Satin & Ultra Matte can be Thinned using EEP at no more than 10% volume.

Surface Preparation

Concrete surface must be cured, clean, dry, and free of contamination prior to application of MudShield 45. We recommend not exceeding 200 diamond polishing and the surface should be dry-sanded with an orbital 220 (post polishing) to remove any remaining swirls and sanding marks.

Any Sheen Level You Want

The MudShield 45 coating line offers the ability to create whatever Sheen Level you want. Blendhouse offers two Resin sheens: Ultra Matte & Satin. Mix different amounts of the two resin sheens and dial in the perfect sheen.

Mixing

- For mixing use: 8 oz paper cup | Wood tongue depressor stick | 4 oz glass measuring cup
- MS-45 is a 3K system: A-Resin / B-Catalyst / C-Adhesion Promoter - **3** Parts "A" to **1** Part "B" - See Chart For "C"
- Open the "A" can and mix the material thoroughly to make sure all matting agent has dispersed
- Open the "B" can and mix the material thoroughly
- Measure out "A" and "B" quantities by volume [Use Chart Below]
- Pour quantity "B" into quantity "A"
- Use the Pipette to measure out the "C" Adhesion Promoter additive and add to the "A" & "B" [Use Chart Below]
- 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 components properly. Mix for 2 minutes.



Volume Mix Chart

Total Oz	A oz	B oz	C ml
1	0.75	0.25	0.33
2	1.5	0.5	0.66
3	2.25	0.75	1
4	3	1	1.32
5	3.75	1.25	1.65
6	4.5	1.5	2
7	5.25	1.75	2.324
8	6	2	2.66
9	6.75	2.25	3
10	7.5	2.5	3.32

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.

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.