

# Slip Doctors

## LEADERS IN FLOOR SAFETY

### THREE-STEP SYSTEM TECHNICAL DATA SHEET

**READ THOROUGHLY PRIOR TO TREATMENT**

PRODUCT	METHOD	REQUIRES DILUTION?	DESCRIPTION
<b>STEP 1: CLEANER</b>	T-Mop and Deck Brush	Yes	Floor Cleaner used to prep dirty, greasy or waxed floors before STEP 2 treatment.
<b>STEP 2: TREATMENT</b>	Sprayer	Yes	Treatment solution used to slip proof surfaces. <b>The mixture ratio and treatment time is very important.</b> Refer to Page 2 for Dilution Ratios.
<b>STEP 3: NEUTRALIZER</b>	Sprayer and T-Mop	Yes	Neutralizer used to stop the STEP 2 process when completed. It terminates the chemical reaction of STEP 2. <b>You must have STEP 3 mixed and ready before you start STEP 2 treatment.</b>

## CAUTIONS

**TEST ALL MIXTURE RATIOS ON ALL SURFACES PRIOR TO FULL TREATMENT APPLICATION!**

Testing is not complete until you allow the surface to dry and check for appearance change.

- **Immediately** use STEP 3 to neutralize and stop the treatment process once you reach the desired level of slip resistance.
- **Do Not** over treat surfaces by leaving on surface too long.
- **Do Not** allow STEP 2 to dry on treatment surface.
- **Do Not** spray STEP 1, STEP 2 or STEP 3 solutions on glass surfaces, metal/stainless steel or countertops. It may cause distortion. STEP 2 may discolor countertops.

## STEP 1: CLEANER

Floor Cleaner used to prep the floor when the floor has wax, grease buildup or if the floor is dirty. Dilute using ratio below. Apply to surface using sprayer; then use deck brush to agitate cleaner on surface to thoroughly remove dirt or grease.

Once you have finished cleaning with STEP 1, rinse the surface thoroughly with water and let dry or use Wet Vac to remove water before proceeding with STEP 2. NOTE: If you use a squeegee after rinsing, be sure to remove any standing or puddled water that may remain on the surface.

**DILUTION RATIO: Ranges from 4:1 to 16:1 (water:cleaner), depending on degree of cleaning**

## STEP 2: TREATMENT

**TEST PRODUCT ON ALL SURFACES PRIOR TO FULL TREATMENT!**

Treatment Solution used to create a slip resistant surface on bathtubs, tiled showers, porcelain and ceramic tiles, cement floors and natural stone (marble, limestone).

### STEP 2 DILUTION RATIOS (WATER:STEP 2)

SURFACE	DILUTION RATIO (WATER:STEP 2)	NOTES
<b>Bathtubs</b>	1:1 to 12:1 mix	<ol style="list-style-type: none"> <li>Mixture ratio depends on durability of bathtub. Do not treat for less than 5 minutes. If slip resistance is achieved in less than 5 minutes, the mixture is too strong.</li> <li>Prep with STEP 1. Thoroughly rinse and allow to dry.</li> <li>Do not let STEP 2 dry on surface being treated.</li> <li>Thoroughly rinse with plenty of water after obtaining desired slip resistance.</li> </ol>
<b>Tiled Showers</b>	4:1 to 12:1 mix	<ol style="list-style-type: none"> <li>Follow procedure 1) through 3) above to treat tiled showers, porcelain/ceramic floors and concrete.</li> <li>Neutralize with STEP 3 diluted using same ratio as STEP 2.</li> </ol>
<b>Porcelain/Ceramic Tile</b>	4:1, 9:1, 12:1, etc	
<b>Concrete Floors/Ramps</b>	4:1 or higher per test	
<b>Marble, Granite, Limestone or other highly polished natural stone</b>	40:1 mix or higher	<ol style="list-style-type: none"> <li>Follow procedure 1) through 3) above.</li> <li>Neutralize with STEP 3 diluted using same ratio as STEP 2.</li> <li>These surfaces are very porous. Start testing at 40:1 or higher. <b><u>IMPORTANT! STEP 3 Neutralizer must be applied quickly and evenly on entire surface to protect against over treatment.</u></b></li> </ol>

## **TEST SOLUTION ON ALL SURFACES PRIOR TO FULL TREATMENT!**

### **EVALUATE THE TEST RESULTS:**

- If the tile becomes slip resistant after treating for 1-5 minutes, then the 9:1 dilution ratio may be too strong. This could result in over-treatment of the tile, appearance change or cleaning issues. Mix a new solution using 12:1 dilution ratio and perform another test. The objective is to achieve slip resistance with a treatment time period of 10 minutes or more. This will help control the amount of slip resistance while still keeping the original appearance of the tile.
- Towel drying the test area is important. This allows you to visually inspect the appearance of the test area. It is difficult to determine if the treatment has changed the shine of the tile if the floor is wet or damp.
- Once you have determined the correct dilution ratio and treatment time for STEP 2, you are ready to treat the entire surface.
- Prepare the STEP 3 Neutralizer in advance so that it is ready for use after treating the surface with STEP 2.

### **TIPS FOR A SUCCESSFUL TREATMENT:**

- When using STEP 2, keep the solution moving using a T-mop applicator on the floors. The solution may be more effective and work faster, especially when treating rough or bumpy surfaces. You must keep the solution on top of the floor, not in the valleys.
- The STEP 2 treatment may also remove rust from tiles and oil from cement.
- The more water you add (while still being strong enough to achieve slip resistance), the longer it takes to work. This is preferred as long as you keep the surface wet with the solution. Do not let it dry!
- Higher dilution ratios (WATER:STEP 2) will require more time to treat the surface. This approach will yield much better results. This will also save you money and create less room for error.
- The objective is to reach a treatment time of 10 minutes or more.
- Always clean out your sprayer with fresh water after use.

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## **STEP 3: NEUTRALIZER**

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Solution used to neutralize STEP 2 after it has been on the surface just long enough to reach the degree of slip resistance. It is used to stop the process of STEP 2 before over-treatment occurs.

You should have your STEP 3 Neutralizer mixed and ready to use before beginning the STEP 2 treatment.

It is recommended that the diluted STEP 3 Neutralizer be quickly applied with a Sprayer and then evenly distributed on surface using a T-Mop to ensure termination of chemical reaction of STEP 2 occurs on entire treatment area.

**DILUTION RATIO: Use identical Dilution Ratio used for STEP 2.**

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## DILUTION RATIOS – GENERAL GUIDELINES

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The following Dilution Ratio chart is offered as a general guideline when preparing solutions for the various size of jobs you will encounter.

Please use this information as a reference only, and refer to dilution ratio information provided previously for specific products.

DILUTION RATIO	OUNCES PER GALLON
1:1	128
2:1	64
4:1	32
6:1	21
9:1 – Step 2 Starting Point	14
10:1	13
12:1	11
16:1 – Step 1 Starting Point	8
20:1	6
24:1	5
32:1	4
40:1	3