

## TREMfloor Flowfresh Systems Required Installation Supplies List and FAQ

### Purpose

The purpose of this bulletin is to define the equipment and tools required to successfully install Flowfresh Urethane Cement Systems.

### Introduction

#### Equipment List Preface

To ensure proper installation of a TREMfloor™ Flowfresh cementitious urethane flooring system, the applicator(s) must review the necessary application instructions. The applicator(s) are strongly encouraged to keep a copy on hand at all installations should any questions arise. The application instructions can be found at: <https://www.tremcosealants.com/markets/commercial/commercial-flooring/cementitious-urethane-flooring/>.



### Logistic Tools List and Equipment










A minimum of 4-6 crew members are required for floor preparation for projects up to 5,000 sq/ft. On flooring projects over 5,000 sq/ft a minimum of 6-10 crew members are required, depending on the floor strength and the equipment needed to remove the existing coating. For base coat and topcoat installation a minimum of 6-8 crew members are required on projects up to 5,000 sq/ft. On projects over 5,000 sq/ft and up to 10,000 sq/ft 10-12 crew members are required. Projects exceeding 10,000 sq/ft will require 15-20 crew members. Unless otherwise noted or agreed upon with your local Tremco Sales Representative prior, all items in the preceding list should be on-site prior to arrival of the Tremco Technical Service Team. Please contact your local Tremco Sales Representative if any questions regarding this supplies list or the pertinent application instructions arise.








(An asterisk \* indicates “as needed”, based on jobsite conditions. Photos are for reference only and are not to indicate a preferred brand.)

(\*As needed is based on jobsite conditions. Photos are for reference ONLY and are not to indicate a preferred brand. Quantity Recommended is based on projects up to 5,000 sq/ft. For any questions regarding this list consult your Tremco Application Specialist.)







#### TOOLS AND EQUIPMENT FOR GENERAL PURPOSE + SUBSTRATE AND SYSTEM PREPARATION




Equipment Description	Equipment Photo	Purpose	Quantity Needed	Source
DOLLY PLATFORM CART		GENERAL PURPOSE EQUIPMENT	*As Needed	Home Depot Lowe's
5 GALLON PLASTIC MIXING PAIL		SYSTEM PREPARATION	*As Needed	Home Depot Lowe's





ELECTRIC POWER MIXER (minimum 550 rpm and 9 apms)		SYSTEM PREPARATION	*4 needed on projects up to 5000ft <sup>2</sup> for Flowfresh Systems MF, SL, SR	Home Depot Lowe's
MIXER		SUBSTRATE PREPARATION	* As needed for over 5000ft <sup>2</sup> and with HF and RT Systems	Local Distributor Collomix
SHOP VAC		SUBSTRATE PREPARATION	3-4	Local Distributor
7"HAND GRINDER		SUBSTRATE PREPARATION	2	Local Distributor Home Depot Lowe's
7" CUP WHEEL		SUBSTRATE PREPARATION	6	Local Distributor Home Depot Lowe's
POWER ANGLE GRINDER		SUBSTRATE PREPARATION	2	Local Distributor Home Depot Lowe's
SHOT BLASTER		SUBSTRATE PREPARATION	1	Local Distributor Blastrac
FLOOR GRINDER		SUBSTRATE PREPARATION	1	Local Distributor
SILICA SAND MESH 20/30		USED FOR SLIP RESISTANCE ON TOP OF THE SYSTEM	*1 pound per sq/ft for full broadcast (SL/SR) *50lb per 1000 sq/ft for light mist (FC/FCUV Sealers)	Local Distributor





GLOVES, MASKS, AND SAFETY GLASSES		SAFETY EQUIPMENT	*As Needed	Home Depot Lowe's
SPIKE SHOES		GENERAL PURPOSE EQUIPMENT	*As Needed	Local Distributor
FIRM BRISTLE BROOM		SUBSTRATE PREPARATION	*As Needed	Home Depot Lowe's
RAGS		GENERAL PURPOSE EQUIPMENT	*As Needed	Home Depot Lowe's
ELECTRIC CORDS		GENERAL PURPOSE EQUIPMENT	*As Needed	Home Depot Lowe's
GARBAGE BAGS		GENERAL PURPOSE EQUIPMENT	*As Needed	Home Depot Lowe's
PLASTIC FOR MIX STATION		GENERAL PURPOSE EQUIPMENT	*As Needed	Home Depot Lowe's

## SYSTEM SPECIFIC EQUIPMENT


Flowfresh HF				
Equipment Description	Equipment Photo	Purpose	Quantity Needed	Source
MARGIN TROWEL		SYSTEM PREPARATION USED FOR SCRAPING MATERIAL WHEN MIXING AND DETAILING	2	Home Depot Lowe's
SCREED BOX		TOOL USED TO LAY INSTALL SYSTEM AT THE REQUIRED THICKNESS	2	Local Distributor
POOL TROWEL		SYSTEM SURFACE INSTALLATION	2	Home Depot Lowe's
MAGIC TROWEL		RUBBER TOOL USED TO SMOOTH OUT SURFACE AND REMOVE IMPERFECTIONS	2	Home Depot Lowe's
FINISHING TROWEL		FINISHING EDGES DURING SYSTEM APPLICATION	2	Home Depot Lowe's
LOOP ROLLER		SMOOTH OUT SURFACE	6	Home Depot Lowe's


Flowfresh MF				
Equipment Description	Equipment Photo	Purpose	Quantity Needed	Source
GUAGE RAKE		SPREAD AND INSTALL SYSTEM AT THE REQUIRED THICKNESS	2	Local Distributor
CAM'S FOR GUAGE RAKE		TOOL FOR ADJUSTING THICKNESS ON THE GUAGE RAKE	1 Set	Local Distributor
SELF-LEVELING SMOOTHER		TOOL USED TO SPREAD AND BREAK THE	1	Local Distributor









		TENSION OF THE SURFACE		
POOL TROWEL		SYSTEM SURFACE INSTALLATION	2	Home Depot Lowe's
SPIKE ROLLER		TOOL USED TO BALANCE THE AGGREGATE AND RELEASE ANY AIR BUBBLES AND IMPERFECTIONS FROM THE GAUGE RAKE	2	Local Distributor
MARGIN TROWEL		SYSTEM PREPARATION USED FOR SCRAPING MATERIAL WHEN MIXING AND DETAILING	2	Home Depot Lowe's
FINISHING TROWEL		FINISHING EDGES DURING SYSTEM APPLICATION	2	Home Depot Lowe's



Flowfresh RT				
Equipment Description	Equipment Photo	Purpose	Quantity Needed	Source
MARGIN TROWEL		USED DURING SYSTEM PREPARATION FOR SCRAPING MATERIAL FROM THE SIDES OF THE MIXING PAIL AND DETAILING DURING SYSTEM APPLICATION	2	Home Depot Lowe's
SCREED BOX		TOOL USED TO LAY INSTALL SYSTEM AT THE REQUIRED THICKNESS	1	Local Distributor
POOL TROWEL		SYSTEM SURFACE INSTALLATION	2	Home Depot Lowe's
MAGIC TROWEL		RUBBER TOOL USED TO SMOOTH OUT SURFACE AND REMOVE IMPERFECTIONS	2	Home Depot Lowe's

FINISHING TROWEL		FINISHING EDGES DURING SYSTEM APPLICATION	2	Home Depot Lowe's
LOOP ROLLER		USED TO SMOOTH OUT SYSTEM SURFACE	6	Home Depot Lowe's





Flowfresh SL				
Equipment Description	Equipment Photo	Purpose	Quantity Needed	Source
MARGIN TROWEL		USED DURING SYSTEM PREPARATION FOR SCRAPING MATERIAL FROM THE SIDES OF THE MIXING PAIL AND DETAILING DURING SYSTEM APPLICATION	2	Home Depot Lowe's
GUAGE RAKE		SPREAD AND INSTALL SYSTEM AT THE REQUIRED THICKNESS	1	Local Distributor
CAM'S FOR GUAGE RAKE		TOOL FOR ADJUSTING THICKNESS ON THE GUAGE RAKE	1 Set	Local Distributor
SELF-LEVELING SMOOTHER		TOOL USED TO SPREAD AND BREAK THE TENSION OF THE SURFACE	1	Local Distributor
POOL TROWEL		SYSTEM SURFACE INSTALLATION	2	Home Depot Lowe's
SPIKE ROLLER		TOOL USED TO BALANCE THE AGGREGATE AND RELEASE ANY AIR BUBBLES AND IMPERFECTIONS FROM THE GAUGE RAKE	2	Local Distributor
MAGIC TROWEL		RUBBER TOOL USED TO SMOOTH OUT SURFACE AND REMOVE IMPERFECTIONS	2	Home Depot Lowe's

FINISHING TROWEL		FINISHING EDGES DURING SYSTEM APPLICATION	2	Home Depot Lowe's
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Flowfresh SR				
Equipment Description	Equipment Photo	Purpose	Quantity Needed	Source
MARGIN TROWEL		USED DURING SYSTEM PREPARATION FOR SCRAPING MATERIAL FROM THE SIDES OF THE MIXING PAIL AND DETAILING DURING SYSTEM APPLICATION	2	Home Depot Lowe's
GUAGE RAKE		SPREAD AND INSTALL SYSTEM AT THE REQUIRED THICKNESS	2	Local Distributor
CAM'S FOR GUAGE RAKE		TOOL FOR ADJUSTING THICKNESS ON THE GUAGE RAKE	1 Set	Local Distributor
SELF-LEVELING SMOOTHER		TOOL USED TO SPREAD AND BREAK THE TENSION OF THE SURFACE	1	Local Distributor
LOOP ROLLER		USED TO SMOOTH OUT SYSTEM SURFACE	6	Home Depot Lowe's
SPIKE ROLLER		TOOL USED TO BALANCE THE AGGREGATE AND RELEASE ANY AIR BUBBLES AND IMPERFECTIONS FROM THE GAUGE RAKE	1	Local Distributor
FINISHING TROWEL		FINISHING EDGES DURING SYSTEM APPLICATION	2	Home Depot Lowe's
MAGIC TROWEL		RUBBER TOOL USED TO SMOOTH OUT SURFACE AND REMOVE IMPERFECTIONS	2	Home Depot Lowe's

Flowfresh Cove				
Equipment Description	Equipment Photo	Purpose	Quantity Needed	Source
COVE TROWEL (Cove Trowel size varies depending on project specifications. Common cove trowel sizes: 6x4" Lip and 6x12" Lip)		TOOL FOR COVE INSTALLATION	2	Local Distributor
COVE STRIPS		TOOL TO MARK THE HIEGHT OF THE COVE	*As Needed	Local Distributor
INNER/OUTER CORNER TROWEL		TOOL TO SMOOTH OUT THE CORNERS	1 Set	Local Distributor
RUBBER WIPE DOWN BLADE		TOOL TO SMOOTH OUT THE CORNERS (INSIDE ONLY)	2	Local Distributor
FINISHING TROWEL (Size Recommended:8x3)		USED TO INSTALL THE WALL OF THE COVE	2	Home Depot Lowe's
BLUE PAINTERS TAPE		USED WITH THE STRIPS TO HOLD IN PLACE OR IN PLACE OF THE COVE STRIPS IF THEY ARE NOT BEING USED	*As Needed	Home Depot Lowe's
MINERAL SPIRITS		LUBE THE TOOLS DURING INSTALLATION AND TO CLEAN TOOLS AFTER INSTALLATION	*As Needed	Home Depot Lowe's
PROFESSIONAL SPRAYER BOTTLE FOR MINERAL SPIRITS		GENERAL EQUIPMENT	*As Needed	Home Depot Lowe's



Flowfresh FC, FCUV, & SR Sealer				
Equipment Description	Equipment Photo	Purpose	Quantity Needed	Source
APPLICATION SQUEEGEE		SEALER INSTALLATION	2	Local Distributor
3/8" MOHAIR EPOXY ROLLER 9" or 18"		SEALER INSTALLATION	*As Needed	Home Depot Lowe's
2" PAINT BRUSH		SEALER CORNER INSTALLATION	*As Needed	Home Depot Lowe's
3" MINI ROLLER COVER		SEALER INSTALLATION	*As Needed	Home Depot Lowe's

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## Frequently Asked Questions for Tremco® CPG TREMfloor Flowfresh Cementitious Urethane Flooring Systems

**Q: Is a primer required for a Flowfresh system?**

A: Flowfresh systems don't normally require primer. In the case of a highly porous substrate apply Flowfresh FC or reach out to Tremco technical services for assistance.

**Q: Is a topcoat/sealer required for a Flowfresh system?**

A: We recommend a sealer if a primer was not used, broadcast is put on top of a system, or in areas where there is UV exposure. In areas with UV exposure, use Flowfresh FCUV.

**Q: Is a scale necessary to measure the base and hardener for a Flowfresh system?**

A: Yes, it is recommended and is the most accurate method to ensure the required amount of base and hardener is being incorporated per square footage, thus ensuring the system cures properly.

**Q: Is the odor emitted by a Flowfresh system harmful and how long will it last?**

A: Flowfresh systems are not harmful and low VOC. What odor is present will dissipate after the product has fully cured.

**Q: Why is a metal rake recommended versus a rubber squeegee for applying coatings?**

A: A metal rake wears at a slower rate than a rubber squeegee, especially when pulling it over a cementitious coating such as a Flowfresh system. Using a metal rake with proper technique will help you achieve the required uniform thickness over a greater area.

**Q: What is the purpose of the spike roller?**

A: The purpose of the spike roller is to help release any air that was captured in the coating while mixing or applying. It helps to balance out the aggregate and smooths out any imperfections created during application.

**Q: What is the purpose of the loop roller?**

A: A loop roller is used to smooth out any lines or imperfections made with the metal rake during application of the Flowfresh system.

**Q: What are the acceptable substrates?**

A: The only approved substrates at this time are concrete and screed substrates, however, we can qualify other substrates using field testing methods.

**Q: Is there a substrate surface requirement?**

A: Concrete or screed substrate should have a minimum of 3,000 psi compressive strength, free from laitance, dust and other contamination. The substrate should be dry to ASTM requirements and free from excessive moisture vapor transmission.

**Q: Are there temperature restrictions when applying Flowfresh systems?**

A: The temperature should be at least 60°F to achieve the best results during application. The temperature of the substrate should be at least 50°F, although a temperature of 60-80°F is recommended.

**Q: How long do I need to wait in between coating applications?**

A: We recommend waiting 8- 12 hours in between coating applications depending on the temperature of the environment.

**Q: How do I clean the coating before applying the sealer if a broadcast was laid down?**

A: We recommend you use a firm bristle broom and a shop vac to clear the overlay of any broadcast not absorbed into the system.

**Q: How long after application will it be safe to open the floor up to traffic?**

A: Flowfresh systems can be opened to light traffic after 12 to 14 hours and full traffic after 24 to 36 hours. Full Chemical cure takes 5-7 days.

**Q: What do I use to clean my tools?**

A: Tools should be cleaned immediately after use in solvent, mineral spirits, or acetone.