

RESUFLOTM TOPCOAT VENT-E

The following information is to be used as a guideline for the installation of the Resufloor Topcoat Vent-E flooring system. Contact the Sherwin-Williams Technical Service Department for assistance prior to application.

APPLICATION INFORMATION — SURFACE PREP PROFILE CSP 2

VOC MIXED	APPLICATION STEP	MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT	PACKAGING
<50 g/L	Primer	Resufloor Vent-E	Pre-measured Unit	200 sq. ft./unit	~1.15 gal./unit
<50 g/L	Topcoat	Resufloor Vent-E	Pre-measured Unit	250 sq. ft./unit	~1.15 gal./unit

For additional topcoat options, contact your Sherwin-Williams Representative.

IMPORTANT!

Read these instructions carefully several days prior to starting your work. Seek answers to any questions you may have before you begin. Sherwin-Williams HPF maintains a technical staff that will be glad to answer your questions and give you advice pertaining to your particular installation.

SYSTEM OVERVIEW

Resufloor Topcoat Vent-E is a pigmented, breathable epoxy flooring system featuring high permeability throughout the entire coating and is designed for use in areas that have issues with high moisture or salts which cannot be coated with traditional sealed resinous flooring systems.

This kit includes Resufloor Topcoat Vent-E Resin and Resufloor Topcoat Vent-E Pigmented Hardener and is applied as two coats of 8-10 mils for a finished nominal thickness of ~10-12 mils dry film thickness.

NOTE: DO NOT apply at an ambient or surface temperature below 55°F or above 85°F. Must be at least 5° above dew point with a maximum RH of 75%.

STORAGE CONDITIONS

Store all components in a cool, dry area with plenty of ventilation. The shelf life for these products is 12 months.

SURFACE PREPARATION/JOINT GUIDELINES

Use a surface grinder or sander to achieve a CSP of 2. Ensure the surface is clean, dry, and free of all contaminants before you begin applying the system. Always fill joints as part of the preparation step. Honor moving joints post installation. Refer to the master Surface Preparation and Joint Guidelines Guide on our website for more information.

MIXING AREA

Select a convenient mix area as close as possible to the application area and protect the surface from spills by covering with a layer of plastic followed by a layer of cardboard. Be generous with the amount of space allocated for this function. Do not mix this product in direct sunlight or when ambient temperatures exceed 85°F. Exposure to high temperatures will greatly reduce the working time of this product.

APPLICATION

Nominal thickness of 10-12 mils and is applied as:

- 1st Body Coat 8-10 mils: Resufloor Topcoat Vent-E (2 part kit - 1 resin/1 hardener ~200 square feet per mixed kit)
- 2nd Body Coat 8-10 mils: Resufloor Topcoat Vent-E (2 part kit - 1 resin/1 hardener ~250 square feet per mixed kit)

DO NOT MIX MORE THAN ONE KIT AT A TIME.

DO NOT MIX UNTIL READY FOR IMMEDIATE USE.

PRIMING

LABOR REQUIREMENTS: Best practices are to assign one person to each job per 1,000 square feet – do not multi-task.

- 1 person mixing/running pails
- 2 people rolling material with nap rollers
- 1 person trimming edges

NOTE: Additional manpower will be required for complex installations requiring cut-in work or applications around drains.

EQUIPMENT LIST

- 750 rpm high speed drill
- 3"-3.5" Jiffier mixing blade
- Broom handle sticks
- 3/8" nap trim roller
- 1/4" nap roller
- Paint brush for trim
- Spiked shoes
- Rubber/nitrile gloves
- Safety glasses

MIXING

Pour 1 pre-weighed kit of Resufloor Topcoat Vent-E Resin into 1 pre-weighed kit of Resufloor Topcoat Vent-E Hardener. The Hardener pail will be used as the mixing pail.

Take care to scrape all Resin material into the Hardener/mixing bucket. Be sure to use the Resin kit pail to scrape the mix stick and never scrape the mix stick on the side of the mixing pail. Mix for 30 seconds using a 3.5" Jiffier-type mixer at 750 rpm.

Pour mixed material into a large paint roller tray or well.

APPLICATION

Best suited for application between 55°F–85°F and when the substrate is 5° above dew point with a maximum RH of 75%.

Apply material starting at one side of the installation area and work towards an exit.

Air moisture and ambient humidity levels should be considered when applying Resufloor Topcoat Vent-E epoxy flooring. Maintain a well ventilated area with the use of open doors/windows when possible and promote airflow with the use of fans or integrated HVAC systems. Resufloor Topcoat Vent-E requires the removal of moisture from the mixed components to properly cure in place. Do not apply if the humidity level in the installation space is above 75% and cannot be managed during the curing period.

Wearing spiked shoes, use a 1/4" nap roller to evenly spread the material across the surface area at approximately 250 square feet per mixed kit (8-10 mils) Dip and roll material by wetting out rollers in the paint tray and applying using a forward and back pattern, lifting up at the end of each pass to avoid a line in the application. Complete this work within ~20 minutes per kit (at 70°F 50% RH).

After spreading the primer, follow by back-rolling and cross-rolling with a 3/8" nap roller (Be sure to wet out the roller with material before cross-rolling and back-rolling).

Allow each application of body coat to cure for ~4-6 hours depending on environmental conditions.

NOTE: High relative humidity will increase cure time – plan accordingly.

NOTE: Normal recoat window is minimum 6 hours and up to 4 days (@70°F 50% RH). Recoat window starts from the time the products are mixed.

IMPORTANT!

Before using Sherwin-Williams High Performance Flooring products, read and understand their accompanying Safety Data Sheet.

STANDARD TERMS AND CONDITIONS OF SALE, INCLUDING STANDARD WARRANTY APPLY - VISIT [industrial.sherwin-williams.com/na/us/en/resin-flooring](https://www.industrial.sherwin-williams.com/na/us/en/resin-flooring) FOR THE LATEST VERSION.

CAUTION! As with all chemical products, individuals may have different reactions to exposure to specific products. This is dependent upon many factors, including the individual's personal characteristics, the size of the installation, the ventilation available, the intensity of the exposure or the length of the exposure. Individuals may experience discomfort during the installation process of one product, but not another.

In some cases this is experienced as a skin irritation and in others it is experienced as an inhalant irritation. Typically, it disappears once the exposure is eliminated. In some cases people can become "sensitized" to a product and experience the discomfort every time there is exposure without Personal Protective Equipment ("PPE").

To protect yourself from various exposures or discomfort during the mixing and application of our products, we recommend covering exposed skin including using gloves, long sleeves, safety glasses and a respirator such as the 3M 8577 P95 Universal Disposable Carbon Respirator or a cartridge respirator.

Use only as directed. KEEP OUT OF REACH OF CHILDREN.

Do not reseal moisture-contaminated hardener. This will result in carbon dioxide generation or possible violent rupture of container.

THE SHERWIN-WILLIAMS DIFFERENCE

Sherwin-Williams High Performance Flooring delivers world-class industry subject matter expertise, unparalleled technical and specification service, and unmatched regional commercial team support to our customers around the globe.

United States & Canada

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