

January 4, 2024

REQUEST FOR PROPOSALS

NOTICE TO BIDDERS

The City of Grand Haven is soliciting local painting service providers to provide bids for the City of Grand Haven Airport Hangar painting and floor coating.

Sealed proposals must be received by the City of Grand Haven, 519 Washington Avenue, Grand Haven, Michigan, 49417, Attn: Maria Boersma, City Clerk, before **10:00 a.m. local time, Wednesday, February 7, 2024**, at which time the proposals will be publicly opened and read aloud. Proposals must be submitted on the official proposal form attached. Sealed proposal envelopes must be clearly marked on the outside "Hangar painting and floor coating 2024."

Copies of the Requests for Proposals (RFP) and detailed plans that contain the minimum specifications and official proposal forms are available at the City Clerk's office at City Hall, 519 Washington Avenue, Grand Haven, Michigan 49417, at the Department of Public Works office, 1120 Jackson Street (*this is not a mailing address*), Grand Haven, Michigan 49417 or online from the City's Web site: www.grandhaven.org.

Any questions regarding this RFP or the minimum specifications shall be directed to **Doug Lang, Facilities and Grounds Manager, at 616-847-3493.**

The City of Grand Haven reserves the right to reject any or all bids or any parts of the same, to waive any irregularities and to accept any bid in its own best interest.

Doug Lang
Facilities and Grounds Manager
City of Grand Haven

January 4, 2024

INSTRUCTIONS TO BIDDERS

1. **SPECIAL CONDITIONS:** Special conditions included in the Bid Document shall take precedence over any provisions stipulated hereunder.
2. **APPLICABLE LAWS:** The revised code of the state of Michigan, Charter of the City of Grand Haven, and all city ordinances insofar as they apply to the laws of competitive bidding, contracts, and the purchases, are made a part hereof.
3. **WORKMEN'S COMPENSATION:** In so far as Workmen's Compensation is concerned, the bidder of contractor agrees to furnish. Upon request, certified copies of policies and adequate certificates pertaining thereto as evidence that bidder carries Workmen's Compensation Insurance.
4. **INFRINGEMENTS AND INDEMNIFICATIONS:** The bidder, if awarded an order or contract, agrees to protect, defend, and save the City harmless against any demand for payment for the use of any patented material, process, article, or device that may enter into the manufacture, construction, or form as part of the work covered by either order or contract and he/she further agrees to indemnify and save the City harmless from suits or actions of every nature and description brought against it, for or on account of any injuries or damages sustained by a party or parties, by or from any of the acts of the contractor, his/her servants, or agents.

To this extent the bidder or contractor agrees to furnish adequate Public Liability and Property Damage Insurance, the amounts of which will be determined by the City whenever such insurance is deemed necessary, when so required the types and amounts of insurance to be provided will be set forth in the Bid Document.
5. **DEFAULT PROVISIONS:** In case of default by the bidder or contractor, the City of Grand Haven may procure the articles of services from other sources and hold the bidder or contractor responsible for any excess costs occasioned thereby.

In case of an error by the bidder in making up a proposal, the City Manager may reject such a proposal upon presentation of a petition accompanied by a sworn affidavit of error which sets forth the error, the cause thereof and sufficient evidence to substantiate the claim.
6. **PRICING:** Prices should be stated in units of quantity specified in the Bid Document. In case of discrepancy in computing the amount of the bid the unit prices quoted will govern.
7. **QUANTITIES:** When approximate quantities are stated, the City reserves the right to increase or decrease the quantity as best fits its needs.
8. **DELIVERY:** Quotations should include all charges for delivery, packing, crating, containers, etc. Unless otherwise stated by the bidder prices

quoted will be considered as being based on delivery to the destination designated in the Bid Document and to include all delivery and packing charges.

9. **SPECIFICATIONS:** Unless otherwise stated by the bidder the proposal will be considered as being in strict accordance with the specifications outlined in the Bid Document.

References to a particular trade name, manufacturer's catalog, or model number are made for descriptive purposes to guide the bidder in interpreting the requirements of the City. They should not be construed as excluding proposals on other types of materials, equipment and supplies. However, the bidder, if awarded, a contract will be required to furnish the particular item referred to in the specifications or description unless a departure or substitution is clearly noted and described in the proposal.

10. **SAMPLES:** Samples, when requested, shall be filed prior to the opening of bids and must be furnished free of expense to the City and if not destroyed, will upon request be returned at the bidder's expense.

11. **TAXES:** Contractor shall include and be deemed to have included in his bid and contract price Michigan State Sales and Use Taxes currently imposed by Legislative enactment and as administered by the Michigan Department Treasury, Revenue Division, on the bid date. If the Contractor is not required to pay or bear the burden, or obtains a refund or drawback in whole or in part of any Michigan Sales or Use Tax, interest or penalty thereon, which was required to be and was deemed to have been included in the bid and contract price, the contract price shall be reduced by the amount thereof and the amount of such reduction, whether as a refund or otherwise, shall endure solely to the benefit of the City of Grand Haven.

12. **BID INFORMALITIES AND REJECTION:** The City reserves the right to waive any nonconformity, irregularity or informalities' in any bid, to negotiate with the selected bidder and to award the bid in its determination of its best interest.

13. **AWARD:** Unless otherwise specified in the Bid Document the City reserves the right to accept or reject any item in the bid. Unless otherwise stated in the Bid Document bidders may submit proposals on any item or group of items, provided however that the unit prices are shown as requested.

As soon as the Award is made, an order or contract documents will be sent to the successful bidder for execution and bond if necessary. If the contracts are not executed and returned to the Purchasing Agent within 10 days of the date of sending, the Bid Survey, if required, will be declared forfeited as liquidated damages.

14. **PAYMENTS:** Partial payments may be made upon presentation of a properly executed claim voucher, unless otherwise stated in the Bid Document. The final payment will be made by the City when the materials, supplies or equipment have been fully delivered and accepted or the work

completed to the full satisfaction of the City.

Increases in contract cost shall be approved in writing, prior to excess expense being incurred. Approval of increases may require formal action by City Council.

15. **BIDDER'S SIGNATURE:** Each proposal and bid surety form must be signed by the bidder with his usual signature. All signatures should be in full.

Bids by partnership must be signed by one or more of the partners in the following manner: "John Jones and James Smith, D.B.A., Smith Jones Company, by John Jones, a partner".

Bids by corporations must be signed with the names of the corporation, followed by the signature and designation of the president, vice-president, or person authorized to bind it in the matter.

16. **SUBMISSION AND RECEIPT OF BIDS:** Inquires involving an expenditure exceeding the limits established in the City Charter usually require advertising over a period of at least 5 days prior to scheduled bid opening. Proposals of the nature are publicly read at 10 o'clock AM (unless otherwise noted) on the date bids are scheduled to be received.

- a) Proposals, to receive consideration, must be received prior to the specified time of opening and reading as designated in the invitation.
- b) ***Bidder must use the bid document proposal forms furnished by the City as none other may be accepted.***
- c) ***Proposal forms must be returned intact.***
- d) ***Removal of any thereof may invalidate the bid.***
- e) Specifications and plans referred to in this bid document by reference only, need not be returned with the bid, however, no excision of material physically incorporated in the bid document will be permitted.
- f) Bids are to be submitted in sealed envelopes and identified as requested in the specifications.
- g) Separate proposals must be submitted on each reference number and proposals shall be typewritten or written in ink.
- h) Proposals having any erasures or corrections thereon may be rejected unless explained or noted over the signature of the bidder.
- i) Proposals must be mailed or delivered to the Clerk's Office at Grand Haven City Hall 519 Washington Avenue, Grand Haven, MI. 49417.

17. **INTERPRETATION OF BID AND/OR CONTRACT DOCUMENTS:** No oral interpretation will be made to any bidder as to the meaning of the bid and/or Contract Documents or any part thereof. Every request for such an interpretation shall be made in writing to the City of Grand Haven. Any inquiry received within a reasonable time prior to the date fixed for the opening of bids will be given consideration. Every interpretation made to a bidder will be on file in the Clerk's office of the City of Grand Haven. In addition, copies will be mailed to each person holding Bid and/or Contract Documents and all bidders shall be bound by such interpretations whether or not received by the bidders.

18. **CHANGES AND ADDENDA TO BID DOCUMENTS:** Each change or addenda issued in relation to this bid document will be on file in the Clerk's Office of the City of Grand Haven. In addition, to the extent possible, copies will be mailed to each person registered as having received a set of the bid documents.

It shall be the bidder's responsibility to make inquiry as to the changes or addenda issued. All such changes or addenda shall become part of the contract and all bidders shall be bound by such changes or addenda. Information on all changes or addenda issued will be available at the office of the City Purchasing Agent. All changes will be approved by City Council.

IF BID SURETY IS REQUESTED ON PROPOSAL FORM, PLEASE OBSERVE THE FOLLOWING:

19. **BID SURETY:** All Proposals must be accompanied by the bid bond, deposit of cash, certified check, bank cashier's or bank official's check, drawn on a solvent bank payable to the Treasure of the City of Grand Haven in the amount determined by the City as stated in the Proposal Form, as a guarantee that if the bid is accepted a contract will be entered into.
- a) The City will determine the sufficiency of the surety.
 - b) The bid bond should be executed by an authorized surety, guaranty, or trust company.
 - c) If corporate surety is given, the surety or guaranty company should indicate the bond in the State in which it is incorporated. A certificate of authority authorizing the "attorney-in-fact" to sign the bond, should accompany the Bid Document unless the certificate is on file in the Office of the City Purchasing Agent.
 - d) The surety signature should be witnessed.
20. **PERFORMANCE SURETY:** The successful bidder may be required to furnish a bond or certified check on a solvent bank, payable to the Treasure of the City of Grand Haven in the amount stated in the Proposal Form as a guarantee for the faithful performance of the contract. The City will determine the sufficiency of the surety.
- a) 10% retainer shall be held by the City for a period of six months after the satisfactory completion date.
21. **INSURANCE REQUIREMENTS:** The Contractor will secure and maintain insurance during the term of the contract from an insurance company authorized to do business in the State of Michigan that will protect contractors and subcontractors and the City from all liability (public liability, personal injury and property damage) claims which may arise from operations under the contract. The Contractor may not start work until evidence of all required insurance has been submitted and approved by the City. The contractor must cease work if any of the required insurance is canceled or expires. Three (3) copies of certificates of insurance shall be submitted to be approved by the City prior to the execution of the contract. The Certificate shall specifically name the City as an additional insured party. The certificates must contain the agreement of the insurance company notifying the City in writing ten (10) days prior to any cancellation

or material alteration of the policy. The Contractor shall not allow any work under the contract to be performed by a subcontractor unless evidence of similar insurance covering the activities of the subcontractor is submitted to and approved by the City.

The limits of insurance shall not be less than the following:

- A. Workers Compensation Insurance in the amount required by Michigan Law.
- B. General Liability:
 - Bodily Injury and Property Damage combined
 - Each Occurrence \$1,000,000.00
 - Aggregate \$1,000,000.00
 - Personal Injury \$1,000,000.00
- C. Automobile Insurance for Vehicles:
 - Bodily Injury Each Person \$1,000,000.00
 - Bodily Injury Each Accident \$1,000,000.00
 - Property Damage Each Accident \$1,000,000.00

REFERENCES: Please list three (3) references (Shall include name, address, contact person and phone number):

City	Address	Contact Person	Telephone Number
A.			
B.			
C.			

NOTE

Previous experience and performance may be a factor in making the award.

22. PROJECT COMPLETION DATE: June 1, 2024

23. MISCELLANEOUS: It will be the responsibility of the Bidder to inspect the specified buildings building prior to submittal of a bid. Bidders must visit the site and make their own measurements for bidding purposes. All bidders are required to visit and inspect the site before submitting a bid. It will also be the responsibility of the Bidder to familiarize themselves with the nature and scope of the project specifications, installation and types of materials and incidentals to complete the project.

SCOPE OF SERVICES

Project is to include the supplying of all materials, tools, and labor to apply Sherwin-Williams RESUFLOOR PERFORMANCE HTS, or an approved equivalent (as approved by Facilities and Grounds Manager) to listed flooring areas. The Contractor will be responsible for surface preparation, repairs and painting of the areas per manufacturers specifications. (see attachment "A") Surfaces include concrete floor, steel, aluminum and wood. The Contractor must leave the facility in clean, safe and satisfactory condition. Once initiated, the work is to continue on contiguous work days until completion of the project, except as necessitated due to inclement weather or other extenuating circumstances. The primary focus is the painting of the hangar floor, followed by the walls and finally the ceiling (optional). The Contractor should break down quote/bid into areas may add other options or items as deemed necessary. **Some approximate surface areas have been given. It is the contractor's responsibility to review and determine the actual surface area specifications and to provide all quantities needed to complete the project.**

Scope of Work:

1.1 Scope of work includes surface preparation, priming, painting, and top coating of floor, walls, doors, ceiling(optional), trims, and any other miscellaneous areas and details comprising the interior of hangar and work room. **For clarity the Contractor shall break these areas and/or surfaces into individual quotations or costed out items.**

1.1.1 Floors

- a. Main hangar floor ~ 3600 sq. ft. (concrete floor)
- b. Workroom floor ~ 400 sq. ft. (concrete floor)

1.1.2 Walls

- a. Main Hangar (3) walls ~ 2,500 sq. ft. (mainly metal)
- b. Front of hangar (doors and frame) ~840 sq. ft. – mainly frame needs painting and some insulation repair.
- c. East workroom wall (wood)
- d. Misc. doors, small areas/walls, trims

1.1.3 Ceiling (optional)

- a. Main hangar ceiling ~3600 sq. ft. (metal) optional
- b. Patch roof (SW corner) vent hole & cover vent before paint

1.1.4 Work benches

- a. Main Hangar- wood
- b. Workroom- wood

1.2 All work, including disposal, shall be performed in accordance with all applicable local, state and federal regulations. In addition, any safety precautions shall be observed by the Contractor.

1.3 The quotation/bid shall include a detailed scope of work as proposed and particular preparation details, application details, and paint details for the surfaces/items being bid/quoted on.

Preparation:

2.1 Surfaces must be clean, sound, dry, and free from dirt, oil, grease, rust, oxides, loose or peeling paint, or other contaminants before painting. Particular preparation details may include the following, but not limited to:

- a. Loose, peeling, or flaking paint removal process. The processes for surface preparation include the following:
 - Blast cleaning
 - Grinding (floor only)
 - Chipping (floor only)
 - Scraping
 - Wire brushing
 - Acid etching (for floor) is not recommended
- b. Cleaning of surface for paint - Dirt, dust, grease, rust, or scale removal process (with particular attention given to the floor – it shall be thoroughly degreased)
- c. Patching holes or cracks
- d. Priming and/or sealing if required.

2.2 Cleaning solutions must be rinsed/removed and neutralized according to industry standards or manufacturer's instruction.

2.3 Exposed metal surface should be primed immediately following preparation.

Painting and Application:

3.1 Floor shall receive a commercial grade epoxy floor coating or equivalent product that is approved by the Facilities and Grounds Manager. Floor paint/coating shall be applied as specified by paint manufacturer (and any other particular requirements of the type of coating/paint being used).

3.2 Walls shall receive a primer if necessary and coat(s) of quality exterior low sheen paint. Paint shall be applied as specified by paint manufacturer. Paint color shall be approved by the Facilities and Grounds Manager.

3.3 Doors, ceilings (optional), hallways, trims, and miscellaneous details shall receive coat(s) of premium quality semi-gloss paint (exterior or interior). Paint shall be applied as specified by paint manufacturer. Paint color shall be approved by the Facilities and Grounds Manager.

Cleaning and Touch-up:

1. Remove all equipment, surplus materials, and debris from job site at completion of work. Trash or debris should be prevented from collecting or being spread across the job site during course of the work.
2. Remove any spattering, spots, blemishes, overspray, etc.
3. Windows shall be left clean and streak-free.

January 4, 2024

PROPOSAL FORM

Maria Boersma, City Clerk
519 Washington Avenue
Grand Haven, Michigan 49417

Date

Completely in accordance with your notice, instructions and specifications dated February 7, 2024, the undersigned declares that they have carefully examined the requirements of specifications contained herein, and propose to furnish all labor and materials. The City of Grand Haven may, at its sole discretion, buy the proposed product that is in the best interest of the City of Grand Haven.

City of Grand Haven Airport Hangar Painting and Floor Coating

All Federal and State taxes must be included.

Item	Labor total	Material total	Total
Labor and materials to prepare floor for coating	\$	\$	\$
<i>Option 1 floor-</i> labor and material to apply an epoxy coating or equivalent floor finishing	\$	\$	\$
<i>Option 2 floor-</i> labor and material to apply a sealed floor coating with non-slip additive or floor finished to be non-slip and then sealed	\$	\$	\$
Wall preparation and coating	\$	\$	\$
Ceiling preparation and coating (optional)	\$	\$	\$
Work bench preparation and coating	\$	\$	\$
Building permit	X	X	\$
Total Cost	X	X	

Project Total (BID) \$ _____

Performance Surety:

Upon award of contract, bidder may be required to provide a certified check or surety bond equaling 10% of proposed bid payable to Treasurer of the City of Grand Haven. A certified check will be returned 6 months after the satisfactory completion date.

(Bidder's Company Name)

(Bidder's Telephone Number)

(Street/Mailing Address)

(City/State/Zip)

(Bidder's Signature)

(Print Bidder's Name)

END OF SECTION

Exhibit "A"

RESUFLOTM PERFORMANCE HTS

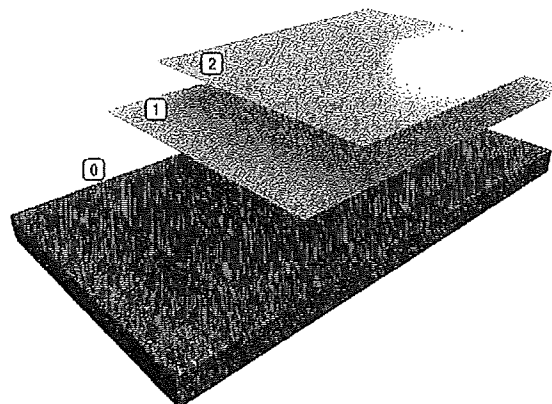
Sherwin-Williams Resufloor Performance HTS is a high traffic surface that offers outstanding durability. The system is comprised of a high-solids epoxy applied at 3 to 5 mils as a primer and 7 to 13 mils as a build coat. The topcoat is a light-stable, chemical resistant urethane with a satin finish.

BENEFITS

- Provides long-lasting concrete protection
- Topcoat lasts twice as long as standard urethanes
- Light stable over the expected life of the coating
- Available in a variety of colors
- Slight texture of satin finish helps improve safety
- Low odor installation

USES

- Aerospace hangars
- Vehicle maintenance shops
- Packaging, assembly and production areas
- Warehouse and distribution operations
- Pharmaceutical manufacturing
- Laboratories and clean rooms
- Healthcare and educational facilities



0 Primer

2 Seal Coat

1 Basecoat

TYPICAL PHYSICAL PROPERTIES

Abrasion Resistance
ASTM D 4060, CS-17 Wheel,
1,000 cycles

18 mg/loss
Result based on independent
lab testing of ResutiteTM HTS

Adhesion
ASTM 4541

450 psi
concrete failure

Adhesion
ASTM 7134

732 psi
concrete failure

Flammability
ASTM 4366

182 mm/min

Coefficient of Friction - COF
James Friction Tester
ASTM 2047

0.63

Shore D Hardness
ASTM D 2240

80-85 @ 0 sec | 75-80 @ 15 sec

INSTALLATION

The following information is to be used as a guideline for the installation of the Resuflo Performance HTS. Contact the Sherwin-Williams Technical Service Department for assistance prior to application.

SURFACE PREPARATION — GENERAL

Sherwin-Williams systems can be applied to a variety of substrates if the substrate is properly prepared. Preparation of surfaces other than concrete will depend on the type of substrate, such as wood, concrete block, quarry tile, etc. Should there be any questions regarding a specific substrate or condition, please contact the Sherwin-Williams Technical Service Department prior to starting the project. Refer to Surface Preparation Form G-1.

SURFACE PREPARATION — CONCRETE

Concrete surfaces shall be abrasive blasted to remove all surface contaminants and laitance. The prepared concrete shall have a surface profile equal to CSP 1-3. Refer to Form G-1.

After initial preparation has occurred, inspect the concrete for bug holes, voids, fins and other imperfections. Excessive surface profile may require a body coat prior to system application. Protrusions shall be ground smooth while voids shall be filled with a Sherwin-Williams system filler. For recommendations, consult the Sherwin-Williams Technical Service Department.

TEMPERATURE

Throughout the application process, substrate temperature should be 50-95°F. Substrate temperature must be at least 5°F above the dew point. Applications on concrete substrate should occur while temperature is falling to lessen offgassing. The materials should not be applied in direct sunlight, if possible.

APPLICATION INFORMATION — SURFACE PREP PROFILE CSP 1-3

VOC MIXED	APPLICATION STEP	MATERIAL	MIX RATIO	THEORETICAL COVERAGE	PACKAGING
<50 g/L	Primer	MPE	2:1	321-535 sq ft/gal	3, 15, 165 or 750 gals
<50 g/L	Build Coat	MPE	2:1	123-228 sq ft/gal	3, 15, 165 or 750 gals
<100 g/L	Topcoat	HTS 100	pre-measured kit	500 sq ft/gal	1.09 or 5.5 gals

ALTERNATE SYSTEM #1

<50 g/L	Primer	4850	2:1	200-300 sq ft/gal	3 or 15 gals
<50 g/L	Build Coat	4850	2:1	150-250 sq ft/gal	3 or 15 gals

GENERAL PRODUCT INFORMATION

OPTIONS:

Colors in Resufloor MPE: Use colorants at a rate of one unit per 3-gallon mix. Standard Colorants – White, Yellow and Light Gray will not impart total hide. Use these colorants at a rate of two units per 3-gallon mix. Similar colorants also may not hide as well. Refer to Color Selection Guide.

Colors in Resutile HTS 100: Use Colorants at a rate of one unit per 1-gallon mix. Standard Colorants – White, Yellow and Sandy Beige will not impart total hide. Similar colorants also may not hide as well. Refer to Color Selection Guide.

LIMITATIONS:

Contamination (fisheyes): Product may fisheye if oil, silicones, mold release agents or other contaminants are present.

Chemical Resistance/Staining: Reduced chemical resistance and staining is possible in pigmented versions of the system.

PRIMER – RESUFLO[™]-MPE

A thin coat of primer will wet out concrete, help seal off concrete pores and minimize outgassing bubbles. Apply a tight coat of primer with a clean, flexible squeegee. Backrolling is not recommended. There should be no mil build over the high spots of the concrete. **COVERAGE RATE:** Much of this will soak into porous concrete. One gallon of Resufloor MPE will cover:

535 sq ft at 3 mils wet/dry film

400 sq ft at 4 mils wet/dry film

321 sq ft at 5 mils wet/dry film

PREMIX PART A using a Jiffy[®] mixer blade and slow speed drill. (This is required for both 3-gallon and full-filled 5-gallon units.) For full-filled 5-gallon pails, pour out 2 gallons into a measuring container. Then, pour the measured Part A into a mixing pail.

ADD RESUFLO[™] MPE PART B TO PART A (3 GALLONS TOTAL MIX). For full-filled 5-gallon pails, pour out 1 gallon Part B into a measuring container that is separate from the one used with the Part A. Then, add the measured Part B to the Part A already in the mixing pail. **POTLIFE:** Mix only enough material that can be applied within the work time (time between the addition of Part B to Part A and the completion of all application actions). Check the following chart for work times at various temperatures. For smaller quantities, use 2 parts PART A to 1 part PART B by volume.

APPROXIMATE WORK TIME

65°F	70°F	75°F	80°F	90°F
40 min	30 min	25 min	20 min	15 min

MIX FOR 2 MINUTES using a Jiffy[®] mixer blade and slow speed drill. (Failure to do so could result in lower/diminished coating properties.)

IMMEDIATELY POUR ALL OF THE MIXED MATERIAL onto the floor in a single bead.

PUSH THE FLAT SQUEEGEE at an even speed with sufficient down pressure to apply the thinnest coat. **NOTE:** The use of spiked shoes will allow freedom of movement on the wet floor. **CAUTION:** The surface will be slippery.

START THE SECOND AND REMAINING PASSES by pushing material parallel to the first stroke. Hold the bead of material near the center of the bar. **NOTE:** Resufloor MPE applied thin may “bridge” holes and cracks momentarily before soaking in – make sure the previously squeegeed area is overlapped (halfway).

TO REDUCE OUTGASSING BUBBLES, It is best to wait until the primer has set up enough to walk on before applying the build coat of Resufloor MPE.

The primer must be coated within 24 hours at floor temperatures 65°F-90°F.

BUILD COAT – RESUFLO[™]-MPE

COVERAGE RATE: One gallon of Resufloor MPE will cover:

228 sq ft at 7 mils wet/dry film

200 sq ft at 8 mils wet/dry film

178 sq ft at 9 mils wet/dry film

160 sq ft at 10 mils wet/dry film

145 sq ft at 11 mils wet/dry film

133 sq ft at 12 mils wet/dry film

123 sq ft at 13 mils wet/dry film

REPEAT STEPS used for mixing and spreading of the primer coat.

COLORS: Premix Colorants to ensure uniform color. Colorant is added at the rate of 1 unit per 3-gallons mix.

NOTE: When using colorant in the bulk units, add the colorant to the Part A that has been measured into the “mixing pail.”

BACKROLL THE MATERIAL with a 3/8” nap roller for a smooth uniformed appearance. Backrolling is required to remove the puddles and squeegee lap marks in order to obtain uniform texture and a consistent mil thickness. **NOTE:** Get off the Resufloor MPE as soon as possible.

If Resufloor MPE is topcoated with Resutile HTS 100 at floor temperatures of 65-90°F, it does not need to be sanded if applied within 24 hours.

If epoxy is not coated within 24 hours, it must be sanded with 80 grit paper. The use of more aggressive paper will introduce deep grooves that will not be covered by a single, thin coat of urethane; swirl marks will be particularly evident in a topcoat that is glossy. We recommend thorough sanding with a swing-type buffer so that multiple scratch marks cause an obvious gloss loss on all areas (depressions will remain shiny), and the floor is uniformly dulled. The ability to see individual scratch marks is an indication that sanding is not adequate. Scrub with detergent and rinse with clean water before coating and tack rag to remove fine dust.

TOPCOAT – RESUTILE HTS 100

PREMIX PART A FOR 3 MINUTES USING A JIFFY[®] MIXER

BLADE with slow speed drill. **POTLIFE:** *Mix only enough that can be used in a two-hour period.* **NOTE:** *Once opened, this material cannot be resealed for later use.*

COLORS: Premix Colorant before adding to Resutile HTS 100 to ensure uniform color. Add colorant to Resutile HTS 100 Part A and mix using a Jiffy[®] mixer blade and slow speed drill. Use colorants at a rate of one unit per 1-gallon unit of Resutile HTS 100.

POUR PART C INTO PART A while mixing.

CONTINUE TO MIX AND ADD PART B. MIX FOR 3 MINUTES

using a Jiffy[®] mixer blade and slow speed drill. Pour into application tray.

APPLY RESUTILE HTS 100 at the rate of 500 sq ft /gallon with a 3/8" nap roller. For proper appearance and development of physical properties, it is crucial that material is not applied above or below this rate. Dip the roller in the coating and lightly roll out excess in the application tray. Apply two 8- to 10-foot-long paths on the concrete, making one stroke left to right and one right to left. Rewet the roller and apply two more paths adjacent to the first pair. Rewet roller and apply a third pair adjacent to the second.

SPREAD THE MATERIAL evenly with V-shaped cross passes.

MAKE SURE THE FLOOR HAS JUST ENOUGH COATING TO COVER EVENLY. Excess material could cause the floor to blister, especially in high humidity. Insufficient material will cause the floor to look non-uniform.

LEVEL THE AREA with straight passes that cross the initial material paths. These final strokes will reduce roller marks. If the appearance is not satisfactory, reroll the area.

REMIX THE MATERIAL in the tray occasionally (with the roller) to prevent settling of the Part C (filler).

NOTE: *When multiple applicators are used to apply material, inconsistencies between areas may result. To ensure a more uniform finish, an individual outfitted with spiked shoes may finish by pushing or pulling a roller across all applicator areas.*

ALLOW COATING TO DRY 24 HOURS at 75°F, 50% relative humidity before opening to light traffic. Allow more time at low temperatures, low humidity or for heavier traffic. Full coating properties take 14 days to develop.

CLEANUP

Clean up mixing and application equipment immediately after use. Use toluene or xylene. Observe all fire and health precautions when handling or storing solvents.

SAFETY PRECAUTIONS

Refer to the SDS before use. All applicable federal, state, local and particular plant safety guidelines must be followed during the handling and installation and cure of these materials. Safe and proper disposal of excess materials shall be done in accordance with applicable federal, state, and local codes.

MATERIAL STORAGE

Store materials in a temperature controlled environment 50- 90°F and out of direct sunlight. Keep resins, hardeners, and solvents separated from each other and away from sources of ignition.

MAINTENANCE

Occasional inspection of the installed material and spot repair can prolong system life. For specific information, contact the Sherwin-Williams Technical Service Department.

DISCLAIMER

The information and recommendations set forth in this document are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication.

Consult www.sherwin-williams.com/resin-flooring to obtain the most recent Product Data information and Application instructions.

WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams.

NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

THE SHERWIN-WILLIAMS DIFFERENCE

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