

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2025-133
Item to be Scouted	Water Repellents
Days to be scouted	15
Response Due By	05/15/2025
Description	Water Repellents for masonry veneer.
State item to be used in	New Mexico

Section 2: Technical Information

Type of supplier being sought	Contract manufacturer
Reason	BABA
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Chemical processing per manufacturer's methods.
Provide dimensions / size / tolerances / performance specifications for the item	See attached PDF specification for information.
List required materials needed to make the product, including materials of product components	See attached PDF specification for information.
Are there applicable certification requirements?	No
Are there applicable regulations?	Yes
Details	Volatile Organic Compound (VOC) content less than 350 grams per liter using EPA Method 24 - See attached PDF specification for information.
Are there any other standards, requirements, etc.?	Yes
Details	See attached PDF specification for information.
Additional Technical Comments	

Section 4: Business Information

Estimated potential business volume	1 unit
Estimated target price / unit cost information (if unavailable explain)	\$30,000 total
When is it needed by?	Project dependent over next 8 years.
Describe packaging requirements	Per manufacturer requirements. Assume palletized products.
Where will this item be shipped?	Clovis, NM

Additional Comments

Is there other information you would like to include?	As Requested for BABA Compliance: Agency Providing Funds: Bureau of Reclamation: Albuquerque Area Office Name/POC: Ken Richards Email: krichards@usbr.gov
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SECTION 07 19 00 WATER REPELLENTS

PART 1 GENERAL

1.01 REFERENCES

- A. Environmental Protection Agency (EPA): Method 24, Determination of Volatile Matter Content, Water Content, Density, Volume Solids, and Weight Solids of Surface Coatings.

1.02 BUILD AMERICA BUY AMERICA (BABA)

- A. This section contains materials that shall comply with the Build America Buy America requirements of this Contract.

1.03 SUBMITTALS

- A. Action Submittals: Manufacturer's product data for water repellent including description, limitations to coating, chemical properties and percentage of solids.
- B. Informational Submittals:
 - 1. Manufacturer's current application instructions for water repellent.
 - 2. Evidence of applicator certification by product manufacturer.
 - 3. Test Reports: Certified test reports showing compliance with specified performance characteristics and physical properties.
 - 4. Certificate of compliance with Build America, Buy America Act. See Section 01 33 00, Submittal Procedures.

1.04 QUALITY ASSURANCE

- A. Qualifications: Applicator certified by product manufacturer.
- B. Mockup:
 - 1. Coordinate with Section 04 21 13.13, Masonry Veneer, and Section 04 22 00, Concrete Unit Masonry.
 - 2. Apply water repellent following manufacturer's application instructions to not less than 20 square feet of substrate material that matches actual job conditions. Determine the optimum coverage rate required for application.
 - 3. After sample treatment has cured (approximately 12 hours to 24 hours), water test to verify that substrate is coated with sufficient water repellent to effectively repel moisture from the surface.

4. Verify that application of water repellent materials will produce no surface stains or discoloration and obtain Engineer's acceptance.
5. Maintenance: Maintain mockup during construction for workmanship comparison; remove and legally dispose of mockup when no longer required.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials in manufacturer's original sealed containers.
- B. Storage and Protection: Store materials protected from exposure to harmful weather conditions and at temperature conditions recommended by manufacturer.
 1. Lids must be kept tightly sealed. Do not allow moisture to enter containers.
 2. Store containers in a dry place, upright and airtight at temperatures of 45 degrees F (7 degrees C) and not exceeding 100 degrees F (38 degrees C).

1.06 PROJECT CONDITIONS

- A. Surface, air, and material temperatures shall not be lower than 40 degrees F or higher than 95 degrees F during application unless otherwise permitted by manufacturer's instructions. Do not apply when temperature is expected to fall below 40 degrees F within 12 hours following application.
- B. Weather: Clear with no precipitation during application or expected for 4 hours following application.
- C. Provide positive ventilation throughout the application.

1.07 SPECIAL GUARANTEE

- A. Provide manufacturer's extended guarantee or warranty, with Owner named as beneficiary, in writing, as special guarantee. Special guarantee shall provide for correction, or at the option of the Owner, removal and replacement of Work specified in this specification section found defective during a period of 10 years after the date of Substantial Completion. Duties and obligations for correction or removal and replacement of defective Work shall be as specified in the Contract Documents.
- B. Conditions: Applied product will retain its water repellent effects during the Special Guarantee period.

PART 2 PRODUCTS

2.01 SYSTEM DESCRIPTION

- A. Applied Water Repellant: Material to restrict moisture absorption in material being treated, as recommended by manufacturer for a specific substrate.
- B. Characteristics:
 - 1. UV resistant.
 - 2. Single component.
 - 3. Water based.
 - 4. Minimum Active Siloxane or Silane Content: By weight, 40 percent.
 - 5. Will not alter appearance of masonry or change the surface texture.
 - 6. VOC content less than 350 grams per liter using EPA Method 24.
 - 7. No fillers, stearates, or paraffin.
 - 8. Clear color.
 - 9. Ultra-low viscosity.
 - 10. Breathable.

2.02 MANUFACTURERS AND PRODUCTS

- A. BASF; Enviroseal 40.
- B. Evonik Industries; Protectosil, CHEM-TRETE 40 VOC.
- C. Tnemec Co., Inc.; Chemprobe Coating Systems, Prime-A-Pell Plus.
- D. Textured Coatings of America, Inc. (TEX-COTE); RAINSTOPPER 140W.

PART 3 EXECUTION

3.01 EXAMINATION AND PREPARATION

- A. Verify that surfaces are solid, dry, and free of dirt, efflorescence, oil, wax, frozen matter, loose particles, cracks, pits, laitance, curing compounds, and other foreign matter that would block absorption of water repellent.
- B. Verify that curing of sealants is complete.
- C. Clean masonry surfaces to make them acceptable for application.
- D. Protect and mask adjacent surfaces during application.

3.02 APPLICATION

- A. Follow product manufacturer's instructions and recommendations, including application apparatus and techniques, and coverage rates.
- B. Provide uniform coverage over entire surface of face CMU on exterior of buildings and CMU screen and fence walls on property.

3.03 FIELD QUALITY CONTROL

- A. Notify Engineer 48 hours prior to application.
- B. After water repellent has dried 24 hours, low humidity, medium temperature (70 degrees F to 90 degrees F) and 48 hours, high humidity, low temperature (50 degrees F to 69 degrees F), test surfaces with a water spray. Recoat areas that indicate water absorption.

3.04 CLEANING

- A. At completion, remove from the Job Site excess material, debris, and waste. Dispose of water repellent containers according to state and local environmental regulations.
- B. Upon completion of Work, clean window glass and other splattered surfaces.

3.05 PROTECTION

- A. Protect adjacent shrubs, metal, wood trim, glass, asphalt, and other building hardware from overspray. Do not permit spray mist or liquid to drift onto surrounding properties or parking lots. Avoid contact with automobile paint and windshields. Clean up immediately after application using cleaners approved by product manufacturer.
- B. Protect installed product's finish surfaces from damage during construction.

END OF SECTION