



REMR MATERIAL DATA SHEET CM-SE-1.10
 CONCRETE SEALER: RAINSTOPPER 100

1. NAME

Rainstopper 100

2. MANUFACTURER

Textural Coatings of America, Inc.
 2422 East 15th Street
 Panama City, FL 32405
 Telephone: 904-769-0348

3. DESCRIPTION

Rainstopper 100 is a penetrating water-repellent sealer that contains a hydrocarbon plasticizer.

4. USES & LIMITATIONS

Uses: Rainstopper 100 can be used to:

- Minimize water penetration.
- Provide a clear, nonstaining, natural effect.
- Reduce efflorescence.
- Minimize spalling and cracking of concrete.
- Provide a self-cleaning and dust-repellent film.
- Reduce capillary action in floor slabs.
- Extend life of painted surfaces.

Limitations: Rainstopper 100 has the following limitations:

- Rainstopper shall not be used below grade.
- Rainstopper shall not be used as a waterproofing material.
- Surfaces shall be clean and dry. Do not apply if rain is imminent.
- All top caps of parapet walls shall be sealed with a continuous metal cap with at least a 4-in. leg on the exterior side. All cap joints shall be treated with a sealant. All openings, such as those around meter boxes, windows, and doors, shall be adequately sealed against water penetration.
- Mortar joints and concrete shall be cured for at least 28 days prior the application of Rainstopper.
- All mortar joint cracks and other surface cracks shall be sealed prior to the application of Rainstopper.
- Flammable. Keep away from heat or open flame. Use with adequate ventilation.

5. MANUFACTURER'S TECHNICAL DATA

Water repellency after 250 hr of ultraviolet exposure at 140° F surface temperature, using the Raymaster Uviarc lamp	Excellent
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Resistance to discoloration under ultraviolet light (250 hr)	Excellent
17 cycles of water erosion/ultraviolet test	Excellent
2 hr water erosion	
22 hr ultraviolet	
Weatherometer test (equivalent to 7 years)	Excellent

Note: Water repellency and weatherometer tests were conducted by recognized independent testing laboratories.

Warranty:

Under completion in accordance with Textural Coatings of America's (TCA's) applicable written specifications, TCA will extend its written product-replacement-only limited warranty. A specimen copy of this limited warranty is available upon request from TCA's area representative.

6. MANUFACTURER'S GUIDANCE FOR APPLICATION

Surface preparation: Surface cracks shall be repaired and sealed prior to application of Rainstopper.

Surface shall be clean and free of efflorescence and all other foreign matter.

Application: For maximum penetration, an airless spray unit using low pressure (20 to 25 psi) is recommended. However, a roller or Hudson-type sprayer can be used. Rainstopper 100 must be forced into the open pores of the surfaces to be treated. Start application at the top of the area and use vertical strokes first to break

the surface tension and start the capillary action. Follow immediately with slow horizontal strokes and flood the surface. It is recommended that an 8- to 12-in. rundown be maintained in order to obtain penetration of the Rainstopper 100. The porosity of the surface must be fully satisfied. Mortar joints should be saturated during the spraying operation to obtain maximum protection. Depending upon the porosity of surfaces to be treated, more than one application may be required in order to satisfy the absorption of the surface.

Coverage rates:

	Number of <u>Coats</u>	<u>Coverage</u> sq ft/gal
Concrete walls above grade	1	100-125
Concrete floor and slabs	1	100-125

7. CORPS OF ENGINEERS' EVALUATION

Physical and mechanical properties:

Percent solid
(ASTM D 1644, Method A): 8.2%

Percent water absorption
(ambient temperature) (ASTM C 642):

1 day	0.21%
2 days	0.24%
4 days	0.36%
7 days	0.52%

Ratio of percent water absorption for treated to nontreated specimen (2-day submersion): 5.11%

Percent water transmission:

2 days	1.00%
4 days	1.68%
7 days	2.31%

Ratio of percent water transmission
for treated to nontreated specimen
(7-day diffusion): 65.4%

8. ENVIRONMENTAL CONSIDERATIONS

Reasonable caution should guide the preparation, repair, and cleanup phases of sealant activities involving potentially hazardous and toxic chemical substances. Manufacturer's recommendations to protect occupational health and environmental quality should be carefully followed. Material safety data sheets should be obtained from the manufacturers of such materials. In cases where the effects of a chemical substance on occupational health or environmental quality are unknown, chemical substances should be treated as potentially hazardous toxic materials.

9. AVAILABILITY & COST

Available from representatives in most cities, or contact the Panama City, FL, plant listed under item 2 or the Los Angeles, CA, plant at 5950 S. Avalon Blvd., Los Angeles, CA 90003 or call 213-233-3111.

10. TECHNICAL SERVICES

For over 20 years, TCA has been involved in assisting architects and builders on specific problems relating to exterior coatings and sealers. TCA will gladly offer the benefit of its expertise. Call the Los Angeles plant at 213-233-3111.