

## INSTRUCTIONS FOR USE

### POLYWATER® DURA-PLATE™ 100 (EPOXY MORTAR)



### POLYWATER DURA-PLATE 100

Dura-Plate 100 Epoxy Mortar forms a high-strength, acid-resistant, protective seal coating for sanitary sewer lift stations, manholes, and other structures. It is impermeable to water and resistant to hydrogen sulfide. The 3-part resin aggregate system can be troweled onto overhead and vertical concrete surfaces. Dura-Plate 100 bonds well to concrete, PVC, polyethylene, wood, and metals.

### INSTALLATION

Storage temperature:

55°F to 85°F (13°C to 30°C)

Installation temperature:

45°F to 120°F (4°C to 50°C)

In-service temperature:

-40°F to 250°F (-40°C to 120°C)

- Good surface preparation is critical.
- Mix only complete batches until blend is a uniform color.
- Do not thin with solvents.

### SAFETY

- Wear eye protection.
- Use protective gloves.

*Note: If seal area is dirty, clean area with soap and water. Rinse with clean water and wipe dry.*

*For running water, stop leak before applying Dura-Plate 100.*



Add Part A to a clean pail

1. Ensure that the contents of the cans labeled Part A and Part B are above 55°F (13°C). Use the pail provided to mix the Dura-Plate 100. Transfer the contents of the can labeled Part A into the pail.



Add Part B

2. Transfer the contents of the can labeled Part B into the pail.



Mix until uniform

3. Mix well until the blend has a uniform appearance.



Add sand to mix

4. Add the sand filler to the blend and mix well until the blend has a uniform appearance and consistency.



Mix the Sika colorant into the blend

5. Add the light gray Sika color pack slowly until it is thoroughly mixed and uniform in color. Do not add solvents or water to Dura-Plate 100.



Ensure the blend is of uniform color and consistency.

6. To mix partial batches, refer to the following table: The chart refers to a coating 1/8 inch (3 mm) thick.

Sq. feet (m <sup>2</sup> )	Part A	Part B	Sand
1 (0.09)	5/8 cup (150 ml)	1/2 cup (120 ml)	1 cup (240 ml)
2 (0.19)	1 1/4 cup (300 ml)	1 cup (240 ml)	2 cups (470 ml)
3 (0.28)	1 7/8 cup (450 ml)	1 1/2 cup (360 ml)	3 cups (710 ml)
4 (0.37)	2 1/2 cups (590 ml)	2 cups (470 ml)	4 cups (950 ml)
5 (0.46)	3 1/8 cups (740 mL)	2 1/2 cups (590 ml)	5 cups (1190 ml)

*Partial batches may be colored with part of a Sika color pack. Each square foot would require 4% of a color pack.*



Apply with trowel or spatula

7. Apply 1/8" (3 mm) in thickness with a trowel or spatula. Apply Dura-Plate 100 at ambient temperatures of 45°F (7°C) and above. Do not apply once the material has begun to set up.



8. Working life at 72°F (22°C) is about 2 hours. Set time is about 4 hours and functional cure time is about 24 hours. Dura-Plate 100 cure times are dependent on temperature. Higher temperatures shorten these times. Lower temperatures lengthen these times.

Smooth out to 1/8-inch layer

### Cleanup

Clean uncured material from equipment with Grime-Away™ Multi-Purpose Cleaning Wipes or Type HP™ Cleaner. Remove cured material mechanically. Clean hands with soap and water or Grime-Away.

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## CONTACT US

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**IMPORTANT NOTICE:** The statements here are made in good faith based on tests and observations we believe to be reliable. However, the completeness and accuracy of the information is not guaranteed. Before using, the end- user should conduct whatever evaluations are necessary to determine that the product is suitable for the intended use.

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