



BRIDGE MIX

Pavement and Pothole Repair

1. Product Description

a. Basic Use: Bridge Mix is a fast-setting blend of cementitious material and sand which develops high early strength. Bridge Mix achieves sufficient strength to open the repaired area to heavy truck traffic in one hour. It expands slightly during setting. It can be used as supplied or extended by adding coarse aggregate.

b. Features & Benefits:

- Easy to mix and apply.
- Self-leveling material which means no special tools required.
- High early strength.
- Improved resistance to freeze-thaw cycles.
- Water erosion resistant.
- Coefficient of expansion and contraction is similar to Portland cement concrete.
- Fast and controlled set up.

c. Typical Application: Use Bridge Mix when repairing potholes or pavement.

d. Limitations: Do not allow Bridge Mix to freeze before set has taken place.

2. Packaging

Bridge Mix is packaged in a 50-lb. bag.

3. Yield

125 lbs. of Bridge Mix produces one cubic foot of finished material. 88 lbs. of Bridge Mix mixed with 40 lbs. of aggregate produces one cubic foot of finished material.

4. Technical Data

Set Time: 20-30 minutes

Net Expansion after Drying: 0.04%

Wet Density: 142 pcf

Compressive Strength:

- After 1 hour: 2,000 psi
- After 3 days: 4,000 psi
- After 7 days: 5,600 psi
- After 28 days: 7,200 psi

5. Directions for Use

a. Proportioning: If you are using Bridge Mix as supplied, mix 50 lbs. of Bridge Mix with 3 quarts of water. If you are using Bridge Mix with the addition of coarse aggregate, mix 50 lbs. of Bridge Mix with 25 lbs. of aggregate and add 1 gallon of water.

b. Mixing: Horizontal shaft mortar mixers such as plaster mixers are recommended when Bridge Mix is to be used as supplied. Conventional revolving drum concrete mixers may be used with coarse aggregate. Pour in water necessary for type of mix desired. With mixer operating, add one half of aggregate. Add dry cement to aggregate and water. Add remaining aggregate. If necessary, add more water to obtain desired fluidity. Mix until material is lump free, but not more than 5 minutes. Use immediately. Use clean water. Keep mixing and transporting equipment clean. Wash after each mix. Dirty water and equipment will accelerate set of Bridge Mix. Unless a special set is specified, this material will set in 20 and 30 minutes. Accelerated set-up from dirty conditions can occur.

c. Placing Above Freezing Temperatures: A 2" vertical cut should be made around damaged area to be repaired. Break out all material within the cut area and clean hole of all debris and dust. Wet the area with clean water to minimize water withdrawal from the Bridge Mix (Note: there should be no standing water from dampening). When more than one pour is required to fill an area, block off or dam up sections of it so that each pour will abut vertically to another. Do not layer one pour on top of another. Screed the Bridge Mix and, if desired, broom finish. For a smooth finish, trowel lightly before set. Do not trowel Bridge Mix to a thin or feather edge. Under hot, windy conditions, a curing membrane may be required to prevent surface dry out. Bridge Mix must set for at least one hour before allowing traffic to resume over patched area.

d. Placing Near Freezing Temperatures: If Bridge Mix is to be used at or near freezing temperatures, the following is recommended: (a) Work with as warm water as possible. Lower temperatures result in longer set. (b) Keep material and equipment as warm as possible. (c) Keep mortar and adjacent pavement above 32°F, until Bridge Mix has set. Bridge Mix must set for at least one hour before allowing traffic to resume over patched area.

5. Warning

Contains Portland cement and free silica dust. Do not breathe dust. May cause delayed lung injury. When mixing, avoid splashing into eyes or contact with skin. In case of contact with eyes, flood eyes immediately and repeatedly with water. Avoid prolonged contact with skin. This product may develop sufficient heat to cause burns if allowed to set in contact with the skin.

6. Availability

Sealwall Bridge Mix is normally available immediately from your local distributor or it will be shipped within 4 working days upon receipt of order. Please contact your local Sealwall representative or call Sealwall Products directly for more information.

7. Warranty

Sealwall Bridge Mix is manufactured in strict accordance with the quality control standards of Sealwall Products. It is guaranteed to perform as indicated on this data sheet when applied by competent applicators.