

EarthBond Asphalt Repair

Technical Data

COVERAGE

1 bag = 24 sq. ft.
 @ 1/4" Thickness
12 sq. ft.
 @ 1/2" Thickness

TECHNICAL DATA

- Compressive Strength (C170) 6,000 PSI
- Flexural Strength (C880) 1,000 PSI
- Abrasion Resistance (C1353-96) 20.00
- Bond Strength (C482) 80 PSI
- Material Density 135 lbs./cu. ft.
- Water Permeability (Not ASTM) 3 days/no leak

CURING

Although curing is accomplished through chemical reaction, weather conditions impart a measure of variability that must be considered. Hot, dry, and/or windy weather speeds up the reaction. Conversely, cold, damp weather will slow down the reaction. These variables may affect the progress, placement, and curing of the product. The patch should be capable of being driven on in 90 minutes to 4 hours depending upon the temperature, humidity, etc.

DESCRIPTION

CarpenterStone's EarthBond Asphalt Repair is designed to repair and aesthetically improve asphalt surfaces. This engineered cementitious material utilizes the most current advances in mix design, modern fiber technology and proprietary chemical cross linking technology, resulting in the only cement-based material known to adhere to existing asphalt. (It may also be used over concrete.)

SURFACE PREPARATION

For maximum adhesion, remove any loose dirt, gravel or asphalt from the hole. Quickly blow off or sweep away any dust or sand on the asphalt in close proximity to the hole. If there is water in the hole, attempt to remove as much as possible. Do not apply when there is significant water in the hole or when the asphalt is extremely wet.

MIXING

The Asphalt Repair Admixture (Part A) has been designed specifically to be used with the bag mix (Part B). No adjustments are necessary. No water needs to be added. Simply shake the bottle of the EarthBond Asphalt Repair Admixture well and pour it into a 5 gallon pail or other mixing container. Pour approximately half of the bag into the five gallon container and mix. Slowly add the remaining dry mix into the container until you achieve the desired viscosity. You may not need to add all of the dry mix. Continue to mix 4 to 5 minutes after all the dry mix has been inserted. (The mix should be able to be troweled without significant effort.)

If after following these steps, you determine that due to either weather conditions or other circumstances that the mix is still too stiff, you may add up to approximately an additional three ounces of water. However, adding too much water can slow the cure and weaken the mix and/or cause cracking.

APPLICATION

After properly mixing the EarthBond Asphalt Repair Chemistry and Dry Bag Mix, pour the mix into the pothole, spreading the mixture evenly over the bottom of the hole and fill to the top. If the hole is large and another batch mix is required to complete filling the hole, fill the bottom of the hole first and then apply another layer (from the next batch over the first. Trowel the top of the material to a smooth surface. It is important to "feather" the material to the bordering asphalt or concrete which helps to further anchor the mix to the existing asphalt resulting in better adhesion. Although you can use the Asphalt Repair to fill depths up to seven inches, it is less expensive to use gravel, stone, or any other stable aggregate as a filler and then apply the Asphalt Repair in the top two inches, or so.

LIMITATIONS

Do not allow EarthBond Modifier to freeze. Apply in temperatures between 40° and 90° F. Installation is not recommended on asphalt that has been poured or resealed within 12 months. Competent contractors experienced in the placement of this product should apply this product.