

PRODUCT DESCRIPTION

TCC Materials Iowa DOT Concrete Patch Mix is a low-slump concrete, primarily used for bridge deck overlays and concrete pavements. When mixed with water and admixtures, this preblended cement and aggregate mixture will produce a high-strength concrete repair material that is extremely durable and works well in harsh environments.

APPLICABLE STANDARDS

Iowa Department of Transportation approved mix. Iowa DOT material code A03, IM 447, IM Appendix 447aa. Material item "Concrete Patch Material, Packaged Dry Class O".

WHEN/WHERE TO USE

Use for full-depth and partial-depth repair of concrete pavements and bridge deck repair.

ADVANTAGES

- Durable patching material
- High compressive strength mix
- Preblended mixture
- Freeze/thaw and salt resistance properties
- Low-slump mixture

COVERAGE/YIELD

68 lb. (30.84 kg) bag will yield approximately 0.52 cu. ft. (wet). 53 bags would cover about 1 cu. yd.

AVAILABLE SIZE

68 lb. (30.84 kg) bag (BOM #104912)

SURFACE PREPARATION

Concrete repair surfaces should be clean, sound, and free from any materials that may inhibit bond such as oil, asphalt, curing compounds, acids, dirt, and loose debris. Roughen surface and remove all unsound concrete. Immediately prior to placement the repair surface shall be thoroughly saturated with no standing water.

MIXING AND APPLICATION

Place the desired number of bags of patch mix into the mixer. Use full bags only. Do not exceed mixer capacity.

Helpful Items:



Approximate water required of 5.65 lb. (2.56 kg) or 0.68 gal./87 oz. (2.57 L) per 68 lb. (30.84 kg) bag. Water amount may vary depending upon desired slump. Add air entraining agent with approximately 40% of the water. Mix for approximately 15 seconds. Add water reducer or water reducer accelerator with an additional 40% of the water. Generally, water reducing accelerator should not be used when temperatures exceed 80°F (26.6°C).

Add additional water and adjust slump:

- Bridge Deck $\frac{3}{4}$ in. \pm $\frac{1}{4}$ in. (19 mm \pm 6.3 mm)
- Pavement $1\frac{1}{4}$ in. \pm $\frac{1}{4}$ in. (31.3 mm \pm 6.3 mm)

Continue mixing for an additional three minutes. After placement, follow industry practices for curing concrete patches.

ADMIXTURES AS REQUIRED

Concentrate admixtures must not come in contact with one another.

- Approved air-entraining agent to produce 6.5% \pm 1%
- Approved water reducer or water reducing accelerator (when required).

WARNING

This product contains Portland cement. Contact with cement, freshly mixed concrete, or mortar can cause severe burns. The cementitious materials mixed onsite are alkaline in nature and on contact with water may irritate the eyes and skin. If contact with eyes occurs, flood eyes repeatedly with clean water and see a physician immediately. Do not rub eyes. Wash hands thoroughly after handling or before eating. Do not take internally. This product may contain silica. Inhaled silica dust may cause respiratory or other health problems.

WARRANTY

Seller warrants that its product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, expressed or implied, including, but not limited to those concerning merchantability and fitness

WARNING: INJURIOUS TO EYES

KEEP OUT OF REACH OF CHILDREN



for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that Seller's liability to the Buyer shall not exceed the total amount billed and billable to the Buyer for the product hereunder.

Place Concrete Patch Mix



Trowel Finish of Concrete Patch Mix

