

Product Description

TCC Materials Microsilica Concrete Patching Mix (5098SP) is ideal for repairing parking structures, industrial plants, roads, walkways, bridges, tunnels, dams and ramps. This is a pre-blended cementitious mixture that produces a rapid strength gaining concrete repair material that is extremely durable and open to foot traffic in 2 hours or vehicular traffic in 4 hours.

When/Where to Use

- On grade, above and below grade on concrete & mortar.
- On vertical, overhead, and horizontal surfaces
- As a structural repair material for parking structures, industrial plants, roads, walkways, bridges, tunnels, dams, and ramps

Advantages

- High early strengths
- Low permeability
- Open to foot traffic in 2 hours
- Open to vehicular traffic in 4 hours
- Easy to mix and install
- Just add water

Typical Yield

80 lb. (36.3 kg) bag will yield approximately 0.6 cubic feet (wet). 45 bags will yield approximately 1 cubic yard.

Packaging



Helpful Items:



80 lb. (36.3 kg) bags

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 Microsilica Concrete Patching Mix (5098SP) into mixer. Use full bags only and do not exceed mixer capacity. Add clean, potable water to mix. Total water should be approximately 5½ to 6 pints per 80 lb. bag of repair mix. Water content may vary based on desired slump and ambient temperature. Designed slump should be 1½" (±½"). Initial mix for about 3 minutes. Let the mix stand for 3 minutes. Final mix for about 2 minutes. Do not add additional additives.

Warning

This product contains Portland cement.

Technical Data	
Tests Performed	Concrete Patching Mix (5098SP)
Compressive Strength, psi (ASTM C39)	
1 day	4,550
7 day	6,750
28 day	8,000
Tensile Strength, psi (ASTM C496)	
7 day	290
28 day	410

Shelf Life	One year in original, unopened bags
Storage Conditions	Store dry at 40-95°F (4°C -35° C). Condition material to 65-75° F before using.
Color	Gray
Batching Method	Per ASTM C387



WARNING: INJURIOUS TO EYES!

KEEP OUT OF REACH OF CHILDREN!

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, express or implied, including, but not limited to, those including merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that, the sellers liability to the buyer at no point for any particular project shall exceed the total purchase price of said product.