



Starpatch Concrete Products

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Road Repair

INDUSTRIAL STRENGTH ROAD AND BRIDGE REPAIR

Description:

Starpatch Road Repair is a rapid setting, high strength one component industrial repair product. Starpatch Road Repair has high early strength gain and contains no chlorides or other ingredients that might accelerate reinforcing steel corrosion.

Recommended For: Starpatch Road Repair is ideal for the patching or overlaying of vehicular and pedestrian traffic areas where a quick return to service is required. It can be used for anchoring and formed vertical repairs in areas such as highways, bridges, concrete ramps, warehouse floors and many other industrial concrete repair jobs.

Advantages: Road Repair is intended for applications requiring rapid return to service. It is ideal for the repair of concrete deteriorated due to severe climatic conditions. Road Repair is suitable to industrial repair where heavy loads, abrasion, impact and deicing salts are a factor.

Procedures:

- Remove all loose, unsound concrete and other deleterious materials via chipping, saw cutting, sandblasting or other mechanical means. A minimum of repair of thickness of 1/2" with square cut edges is desirable especially for repairs in high traffic areas. Do not feather edge.
- Remove all dust from the repair area.
- Saturate the repair area with water and allow the surface to become just dry before placing Starpatch Road Repair.
- Determine whether or not Starpatch Road Repair requires extension with pea gravel or not. (Do not extend for repair areas less than 1" in thickness. Extend the product with pea gravel for horizontal repair areas that require a thickness of 1" to 4".)
- Mix mortar until it has been thoroughly blended.
- Place the mixed material as quickly as possible into the repair area, taking care to consolidate it well in order to ensure freedom from voids.
- Discard any mix that may begin to set in the mixer.
- Use conventional finishing techniques to complete surface finishing as quickly as possible.
- Keep the mixer clean, partially set material can accelerate subsequent batches.

Mixing Instructions: Always locate the mixing area close to the repair area. Ensure a clean supply of water. Starpatch Road Repair requires 3.5 liters of water per 25kg bag. Place 3.5 liters of clean water into a clean mixing bucket and mix with a mixing paddle and drill for 2 full minutes. Conventional concrete mixers can be used on larger pours and especially on pours where aggregate extension is required.

Pea Gravel Extension: For pours that are deeper than 1" in thickness add up to 15lbs of clean pea gravel per 55lb bag.

Compressive Strength:
(CAN/CSA-A5, ASTM C109)

Time:	Compressive Strength
3 hour	2700 psi (18.6 mpa)
6 hour	4400 psi (30.3 mpa)
1 day	5700 psi (39.3 mpa)
28 day	8000 psi (55 mpa)

Coverage:

1/4"	25 sq. ft.	1/2"	13 sq. ft.
3/8"	17 sq. ft.	5/8"	10 sq. ft.

Bucket Life: 20 minutes

Shelf Life: 1 year in dry environment

Initial Set: 30 minutes

Final Set: 45 minutes

Packaging: 25 kg / 55lbs bag

Caution: Contains cement, a polymer and other additives which may cause skin irritation. In case of skin or eye contact, wash thoroughly with water. Please consult the MSDS for detailed safety and handling instructions. In case of eye contact consult with nearest physician. **KEEP OUT OF REACH OF CHILDREN.**

Warranty: Starpatch Concrete Products warrants that if its products prove to have manufacturing defects and Starpatch is notified of such within 6 months from date of Starpatch shipping, Starpatch will replace the defective products F.O.B. factory. Such product replacement shall constitute the sole and exclusive remedy for any claim under this warranty. This warranty is in lieu of all other warranties, expressed, implied or statutory and is strictly limited to its terms. Starpatch makes no warranty of merchantability or suitability of its products for any particular purpose. Starpatch sells its products upon the condition that the customers shall conduct their own tests to determine the suitability of the products for the customers intended purposes. Under no circumstances will Starpatch be liable for economic, special, incidental or consequential damages or losses of any kind whatsoever arising out of or occasioned by the selection, use, installation or replacement of this product.

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