



Starpatch Concrete Products

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Patching Mortar

HORIZONTAL AND VERTICAL REPAIR MORTAR

Description: *Patching Mortar* is designed to patch horizontal or vertical surfaces such as floor and walls to a depth of 5/8". *Patching Mortar* is used to repair damage caused by form removal, air holes and other imperfections. *Patching Mortar* is available in 3 different shades - *Patching Reg.*, *Patching #2* (lighter) and *Patching #3*(even lighter). For optimal substrate bonding use *Starpatch 900X*.

Recommended For:

- Patching and repairing of imperfections on concrete structures.
- Exterior & interior vertical and horizontal surfaces.
- Honeycombs left from vibrating.
- Bad and off-set joints.
- Air holes.
- Low spots on slabs to maximum depth of approximately 5/8".

Advantages:

- Easy to apply & use.
- Just add water to the powder mix and stir.
- Superior bonding and adhesion properties.

Surface Preparation: All existing surfaces must be structurally sound solid and completely clean to include the removal of form release, existing sealers or paints, patching compounds, weak or loose areas, dust, dirt, oil or any other contaminant which may act as a bond breaker. Where required to obtain a solid surface, substrate penetration must be by mechanical means such as sandblasting or grinding. *Starpatch 900X* bonding agent should be used on the substrate for optimal adhesion. Allow the bonding agent to become dry or tacky before applying *Patching Mortar*.

Mixing Instructions: Add the mortar powder with water until the desired consistency is achieved. Add approximately 3.6 to 4.0 liters (3.8 to 4.25 quarts) of water per 22.7kg/50lbs bag, **do not exceed 4.5 liters (4.75 quarts)**. For added strength and adhesion you may substitute some of the water with up to 1 liter of *900X* per bag. Be sure to put water in your mixing container first and then add the dry powder.

Application:

- Apply one layer at a time. Each layer must not exceed the depth or thickness of 5/8".

- Temperature at time of application may not be lower than 5°C/41°F.
- For tie-holes deeper than 5/8" use Starpatch Patching Mortar in dry pack method. Fill 85% of the depth of the tie-hole with dry-pack Patching Mortar; fill the remaining hole with Patching Mortar in a normal consistency.
- In hot weather, prevent material from being exposed to the sun.

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

3 Days:	24.5 MPa	3553 Psi
7 Days:	35.2 MPa	5104 Psi
28 Days:	40.2 MPa	5829 Psi

Coverage:

1/8"	50 sq. ft.	1/2"	13 sq. ft.
1/4"	25 sq. ft.	5/8"	10 sq. ft.
3/8"	17 sq. ft.		

Bucket Life: Approximately 2 hours, depending on temperature and humidity. If product begins to set in the bucket, re-mix by hand or use a mixing paddle and drill to re-temper. Do not add water!

Shelf Life: One year in original unopened bag if kept in dry storage.

Curing Time: Depending on thickness of layer applied, temperature and humidity, approximately 1 to 4 hours. Patching Mortar is ready for painting after 10 days of curing. Patching mortar will accept most coatings including anti-graffiti coatings. Do not allow applied patch to freeze for 3 days after application.

Colour: Concrete grey. Available in Reg., #2(lighter) or #3(even lighter).

Packaging: 22.7kg/50lbs. 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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