



**Starpatch Concrete Products**

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# Supa - Patch

## HORIZONTAL, VERTICAL AND OVERHEAD PATCHING MORTAR

**Description:** *Supa - Patch* is a single component, concrete repair and topping compound which can be applied from feathered edge to 5/8" thick. *Supa - Patch* can be used for horizontal, vertical and overhead surfaces on interior and exterior substrates. *Supa - Patch* can be used as a patching material as well as a sacking mortar. Use of a sealer or coating is recommended when used for a wearing surface. *Supa - Patch* contains no gypsum, chlorides, ferrous metals or corrosive agents.

**Primary Applications / Features / Benefits:**

- Patching and repairing of imperfections, bugholes and honeycombs on concrete structures.
- Exterior & interior vertical, overhead and horizontal surfaces.
- Bad and off-set joints.
- Low spots on slabs to maximum depth of approximately 5/8".
- User Friendly. Just add water to the powder mix and stir.
- Available in 3 different shades of Concrete Grey.
- Superior bonding and adhesion properties.
- Low Shrinkage.

**Surface Preparation:** Surfaces to be covered must be structurally sound, clean, and free of dust, oil, grease, sealers, curing compounds, laitance, release agents or other surface contaminants. Where possible, cut vertical shoulders at edges to accommodate repair. For smooth surfaces, mechanical abrasion is recommended to achieve an acceptable surface profile. The cleaning and preparation method selected depends on both the sub-floor material and its condition. Acid etching is not recommended. *Starpatch 900X* bonding agent should be used on the substrate for optimal adhesion. Allow the bonding agent to become dry or tacky before applying *Supa - Patch*.

**Mixing Instructions:** Add Supa-Patch powder to the measured water. Using a mixing paddle (a whip or eggbeater type is recommended) with a low-speed drill (400 to 500 rpm), mix thoroughly (2 to 3 minutes) until the powder has been completely dispersed and the mix has acquired a smooth homogeneous texture. Do not add more water once *Supa - Patch* has started setting up. Add approximately 18% water by volume or about 4 litres of water per bag. For added strength and adhesion you may substitute some of the water with 1 litre of *900X* per bag. Be sure to put water in your mixing container first and then add the dry powder.

**Application:** Apply *Supa - Patch* into the repair zone substrate by compacting the material well against the properly prepared substrate. Finish surface with steel or wood trowel, or sponge float. Repairs greater than 5/8" should be done in multiple lifts. Tie holes should be dry packed and then finished with a thin layer of normal consistency mortar. Protect repaired area from very hot direct sunlight. Temperature at time of application may not be lower than 5°C/41°F.

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

3 Days:	23.8 MPa	3450 Psi
7 Days:	35.7 MPa	5175 Psi
28 Days:	40.9 MPa	5829 Psi

**Coverage:**

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

**Tensile Pull off Block SSD:**

14 DAY	200PSI / 1.3Mpa
28 DAY	250PSI / 1.7Mpa

**Bucket Life:** Approximately 1 hour, 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. *Supa - Patch* is ready for painting after 3 days of curing. Do not allow applied patch to freeze for 1 day after application.

**Colour:** Available in 3 shades of concrete grey. Regular (darkest), #2 (medium) and #3 (lightest).

**Packaging:** 22.7 kg/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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