



**Starpatch Concrete Products**

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# Floor Hardener

## Non Metallic

**Description:** *Starpatch Non Metallic Floor Hardener* is a specially formulated product designed for flooring work. It provides greatly improved impact and abrasion resistance. *Starpatch Non Metallic Floor Hardener will provide hard durable floor surfaces. Starpatch Non Metallic Floor Hardener* is plasticized to provide easier placing and finishing characteristics.

**Recommended For:**

- Use as a surface hardener for concrete floors that are subject to wear due to abrasion or impact from light to heavy traffic.
- Can be used interior or exterior.

**Application Procedure:**

1. Apply *Starpatch Non-Metallic Floor Hardener* in two separate dry shake applications of equal weight.
2. Apply the first shake after sufficient floating has been carried out to bring enough moisture to the surface for combining with *Starpatch Non-Metallic Floor Hardener*.
3. When the moisture from the concrete dampens the first application of dry shake, re-float the floor surface to obtain thorough mixing of the shake with mortar from the concrete.
4. Immediately following this floating, evenly distribute the remainder of the dry shake over the concrete surface.
5. Carry out a final floating to obtain thorough mixing with the previously applied surface treatment. Avoid excessive floating.
6. Where colour uniformity is of importance use only stainless steel trowels for hard trowelling.

**Temperature:** Concrete and air temperatures should exceed 10°C (50°F) for application of *Starpatch Non Metallic Floor Hardener*.

**Caution:**

- Do not apply over concrete containing more than 3% air content when tested by ASTM C173 or ASTM C231.
- If space heaters are used to increase air temperatures, care must be taken to avoid

damage to the concrete surface due to carbonation.

- Ready mix concrete that contains less than 12% fly ash is preferred for ease of application of dry shake hardeners.

**Coverage:** Application rate will vary depending upon the required hardness for individual usage and traffic conditions. Recommended rates are as follows:

Hardness	Coverage KG / m <sup>2</sup>
Light Duty	2.2 to 3.0 Kg / m <sup>2</sup> (.2-.3 lbs/sq/ft)
Med. Duty	3.0 to 4.5 Kg / m <sup>2</sup> (.3-.4 lbs/sq/ft)
Heavy Duty	4.5 to 8.0 Kg / m <sup>2</sup> (.4-.8 lbs/sq/ft)

**Typical Physical Properties:**

Colour: Grey (Natural)

Available Colours: French Grey, Dark Grey, Brick Red, Tile Red (custom colors on request)

Hardness: 6.5 (Mohs Scale)

Sieve Analysis:

Screen Size	% Retained
#20	10%
#30	57%
#40	30%
#50	2%

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

**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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