



Starpatch Concrete Products

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Supa – Bond

Industrial Grade Vertical and Horizontal Repair compound

Description:

Supa – Bond is a premium repair compound engineered for surface equalization up to 3/4" in a single lift. **Supa – Bond** is a one component premixed blend of Portland cements and graded silica aggregates with polymer modification to create a strong bonding and high wearing surface for renovation and new construction. **Supa – Bond** can be applied from feathered edge to 3/4" thick. **Supa – Bond** can be used for horizontal, vertical and overhead surfaces. Suitable for interior and exterior use, a sealer is recommended when used for a wearing surface. **Supa-Bond** contains no gypsum, chlorides, ferrous metals or corrosive agents. **Supa – Bond's** carefully proportioned formula produces the best troweling vertical patch in the industry.

Recommended For:

- Patching and repairing of imperfections on concrete substrates.
- Exterior & interior, especially vertical and horizontal surfaces.
- Honeycomb and air holes due to poor vibrating.
- Off-set joints.

Surface Preparation:

All surfaces must be structurally sound, solid and completely clean, including the removal of form release, existing sealers, 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 preparation must be by mechanical means such as grinding or sandblasting. Substrate must be primed to ensure proper hydration of the patch. Use **Starpatch Bonding 900 or 900X**. Allow bonding agent to become tacky before applying **Supa – Bond**.

Mixing Instructions:

Add the mortar powder to water that has been placed in a clean bucket until the desired consistency has been achieved. For an entire 22.7kg/50lbs bag add 3.8 litres (4.02 quarts) of clean water. Use a slow speed (300 to 400rpm) paddle mixer or for smaller quantities a margin trowel. Mix **Supa – Bond** for 2 to 3 minutes. Always place water in your mixing container before adding the mortar.

Application:

- Apply one layer at a time. Each layer must not exceed 3/4".
- Temperature at time of application may not be lower than 5°C/41°F or greater than 35°C/95°F.
- For voids deeper than 3/4" dry pack the void with **Supa – Bond** and finish the final layer with **Supa – Bond** mixed to normal consistency.
- Avoid having material exposed to excessive heat and/or direct sunlight.

Mixing Ratio: Use 3.8 litres (4.02 quarts) of clean water per 22.7kg/50Lbs Bag.

Application Temperature Range: 5°C/41°F to 35°C/95°F.

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

| | | |
|----------|---------|---------|
| 3 day: | 4930PSI | 34.0Mpa |
| 7 Days: | 6565PSI | 45.3Mpa |
| 28 Days: | 7220PSI | 50.0Mpa |

Tensile Pull off Concrete Block:

(No primer, surface saturated method)

| | | |
|---------|--------|--------|
| 14 Day: | 170PSI | 1.2Mpa |
| 28 Day: | 220PSI | 1.5Mpa |

Shrinkage %: .04

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

Coverage:

| | |
|-------|------------|
| 1/8": | 45 sq. ft. |
| 1/4": | 23 sq. ft. |
| 1/2": | 11 sq. ft. |

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!

Curing Time: Curing time is dependant on thickness of patch, temperature and humidity. Normal cure time is approximately 1 to 4 hours. **Supa – Bond** is ready for painting in 7 days. Do not allow patch to freeze for 3 days after placing.

Colour: Concrete grey. **Supa – Bond** is manufactured with Portland cement. As with most cementitious material, colour variations can occur as a function of job site conditions.

Packaging: 22.7 kg/50 lbs. Bag.

Caution: Contains cement, 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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