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Technical Data Sheet

PT Pocket Patch

PT Pocket Patch is a dry pack mortar with excellent cohesion and shrink resistant properties. Engineered for vertical patching of post tensioning pockets by manual application.

Recommended Uses:

Filling of Patching of post tensioning pockets.
Protection of anchors, blocks and wedges prior to final filling of pans.

Advantages:

- Crosbe PT Pocket Patch is classified as Non Hazardous with respect to
- Respirable Crystalline Silica (RCS) as it contains less than 0.1% RCS.
- No slump in vertical applications.
- Excellent adhesion to substrate.
- Improved rebound reduces wastage.
- Highly workable, allowing for easy application and a smooth finish in minimal time.
- Counteracts the development of efflorescence.
- Low shrinkage, making the product more resistant to cracking.
- Tear and rain resistant PE bags which are recyclable and reduce wastage.
- Highly accurate and consistent bag weights.

Preparation:

Thorough substrate preparation is essential for achieving adequate bond strength of PT Pocket Patch®. Substrate surfaces must be free from grease, oil, dust and any loose particles that may interfere with the bond.

All exposed steel elements should be cleaned to a bright condition and immediately treated using CROSpatch® ZR Primer. Refer to the TDS for CROSpatch® ZR Primer for more detailed information.

Surfaces MUST be pre-soaked with fresh water before grouting, to be classified as Saturated Surface Dry (SSD) – it should be damp, with no free water. Remove any free water immediately before filling.

In certain circumstances, the patch may require priming. In this instance, ensure the surface is free from

grease, oil, dust and any loose particles that may interfere with the bond. Using a soft brush or broom, prime the prepared concrete area with CROSflow® Primer and allow primer to dry. A second coat of primer may be necessary on areas with very porous surfaces where the initial coat has been completely absorbed. Allow the primer to fully dry to a clean, thin film (approx. 1- 2 hours depending on ambient conditions). Refer to the TDS for CROSflow® Primer for more detailed information.

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Mixing:

PT Pocket Patch® must be mechanically mixed using a forced action high shear mixing paddle.

1. Place 2.4 – 2.6 litres of potable water (per 20kg bag) into a clean bucket. Never exceed the maximum
2. recommended water ratio of 2.6 Litres per 20kg bag.
3. Start mixer and add all of the PT Pocket Patch® gradually while mixing.
4. After the addition of the last bag, continue mixing for 3-4 minutes to ensure proper activation of additives and a stiff homogenous mix is achieved.

Patching:

- Ensure any excess rinse water has been removed from pocket.
- Using a steel trowel, apply PT Pocket Patch® into the damp or primed pocket in layers, pressing each layer of mortar against the inside of the pocket with the trowel, maximizing contact to ensure the best possible bond
- Finish the surface as desired with the use of a trowel or appropriate finishing float.

Temperature Consideration:

The mechanism of interaction between cement and water is temperature sensitive. The set time is delayed at low temperatures and is accelerated at high temperatures. To avoid significant change in setting times, please follow the recommendations detailed below.
Water Temperature: The ideal range for the temperature of water is always 15 – 20 ˚C. In both cold and warm conditions, this range provides a very good basis to work with.
Material Temperature: If possible, it would be ideal to store the powders in such a way as to ensure that they are always maintained at a temperature of 15 – 20 ˚C. Storage conditions on job sites are not always ideal, but it is most important that you ensure that the material is not allowed to be exposed long term, to temperatures outside the range of 10 – 30 ˚C.
Ambient Temperatures: Do not apply at a temperature less than 10 ˚C. In these conditions, it is extremely important to condition the material and water as set out above. Do not apply in temperatures above 35 ˚C. In temperatures above 30 ˚C, consider using cooled water for mixing the product.
Substrate Temperature: Do not apply onto a surface which has a temperature less than 10 ˚C or above 30 ˚C.
For more detailed information, refer to the Crosbe Technical Bulletin on Temperature & Environmental Effects.

PT Pocket Patch® – Typical Product Data:

Property	Test Method		Result
Compressive Strength	AS 1478.2 Appendix A	1 day	> 10 MPa
		7 days	> 25 MPa
		28 days	> 35 MPa
Workability	AS 1478.2	Stiff	110 mm
Fresh Wet Density	AS 1012.5		2100 kg/m³
Yield	Approximate yield per 20kg bag		10.5 Litres

Testing Parameters: 12.5% of water Material and curing conditions at approx. 23°C / 50% RH.

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Packaging:

20 kg Polyethylene (PE) bags, or lined 1000 kg bulk bags

Shelf Life & Storage:

Shelf Life
The shelf life of the product in 20 kg PE bags is 18 months from the date of manufacture, if stored indoors in accordance with recommended storage conditions.
Storage
Store in dry conditions, in unopened and undamaged PE bags, and in temperatures below 30 ˚C. If stored in excessive temperature conditions, externally exposed to the elements or in high humidity conditions, the shelf life may be reduced.

Safety Data:

PT Pocket Patch is classified as Non-Hazardous with respect to Respirable Crystalline Silica (RCS) as it contains less than 0.1 % RCS. This product may cause irritation and an allergic reaction to the skin. It may cause serious eye injury and irritation to the respiratory system. In case of contact with the eyes rinse with running water (15 mins) including removal of contaminated clothing. Wear protective gloves, clothing, eye and face protection. Avoid inhaling dust/ fume/gas/mist/vapours/spray. Ensure adequate ventilation during mixing and application. A class P2 dust mask is recommended for use when handling powdered material, and whilst grinding or scabbling floors. For detailed information, refer to the SDS for PT Pocket Patch, available at www.crosbe.com.

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Important Notice:

A Safety Data Sheet (SDS) is available from the Crosbe website (crosbe.com). Please read the SDS carefully prior to using this product. In an emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia).

Product disclaimer:

Recommendations and advice regarding the use of this product are to be taken as a guide only. The manufacturer of this product and any of its affiliate companies cannot be held responsible for any loss or damage arising from the incorrect usage of this product. The use of this product is beyond the manufacturers control, and liability is restricted to the replacement of material should the product be proven faulty. The information contained herein is to the best of our knowledge, true and accurate. We reserve the right to update information without prior notice. No warranty is implied or given to its completeness or accuracy in describing the performance or suitability of the product for a particular application.