

Technical Data Sheet

PT Pocket Patch®

Crosbe 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:

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
- Can be manually mixed by hand
- 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
- Resistant to cracking and shrinkage
- Tear and rain resistant PE bags which are recyclable and reduce wastage

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. Following completion of corrosion protection to all exposed steel elements, surfaces **MUST** be saturated with fresh water 3-4 hours before grouting. Remove excess water from the pan prior to pouring **PT Pocket Patch®**.

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).

Mixing:

PT Pocket Patch® can be mixed mechanically or by hand.

Hand Mixing:

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

Mechanical Mixing:

1. Place 2.4 – 2.6 litres of potable water (per 20kg bag) into a clean bucket. Never exceed the maximum recommended water ratio of 2.6 Litres per 20kg bag
2. Start mixer and add all of the **PT Pocket Patch®** gradually while mixing
3. 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, maximising contact to ensure the best possible bond
- Finish the surface as desired with the use of a trowel or appropriate finishing float
- Coat patched surface with a suitable curing compound.

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, the recommended water temperature, ambient and substrate temperature ranges are:

Water Temperature Range: 15 – 25 °C. Working with temperatures outside of this range will also impact the fluidity of the product.

Ambient Temperature: Do not apply at a temperature less than 10 °C. Above 30 °C, consider using cooled water for mixing the product. Do not apply in temperatures above 35 °C.

Substrate Temperature: Do not apply onto a surface which has a temperature less than 10 °C or above 35 °C.

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	<100%
Fresh Wet Density	AS 1012.5		1790 kg/m ³
Yield	Approximate yield per 20kg bag		12.6 Litres

Testing Parameters: 12.5% of water. Laboratory at: 23±2 °C > 50% RH

Packaging:

20kg Polyethylene (PE) bags, 1000kg bulk bags.

Shelf Life & Storage:

Shelf Life

The shelf life of the product 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:

Crosbe PT Pan Fill 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 Pan Fill®, available at www.crosbe.com.

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.

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