

HS 30 HIGH STRENGTH CONCRETE REPAIR

Auscon HS 30 Technical Data Sheet

Auscon HS 30 High Strength Concrete Repair is designed for patching Post Tensioning pockets and Pans and for all general floor and wall concrete patching repairs. HS 30 is formulated with new generation anti-efflorescence and anti-corrosion polymers to reduce efflorescence and moisture absorption. This inhibits corrosion of Post Tensioning components and reinforcing steel.

Application, Advantages and Solution

- Floor and wall repairs
- Concrete repairs
- Used internally and externally
- Patching of Post Tensioning Pockets & Pans
- High build
- High strength
- Pre-mix - just add water
- Formulated with anti-efflorescence and anti-corrosion admixtures

Mixing Instructions

1. Place 80% of the water into the mixing vessel
2. Slowly add 70% of the powder to the mixing vessel, and mix 1 minute
3. Add the final 20 % of the water to the mixing vessel
4. Slowly add the remainder of the powder to the mixing vessel
5. Mix for 3 minutes or until uniform

Water Ratio Limits	Litres per 20 kg bag
Trowelable	4.0 – 4.2
Dry pack	3.0 – 3.2

Applying Mixed Material

- Application thickness: 10mm to 80 mm
- Do not exceed the recommended thickness in any layer
- Do not mix more material than can be placed in 15 minutes
- Apply small amounts of mixed material into the surface and trowel to a smooth finish

IMPORTANT: Do not mix cementitious products if the temperature is expected to exceed 30 °Celsius, or if the change in ambient temperature exceeds +/- 12 °Celsius

Surface Preparation

- All defective host substrate must be removed before application
- Defective material includes cracked or structurally weakened surfaces
- Host concrete must be roughened and aggregate exposed to ensure a good bond
- For chloride contaminated concrete, a concrete corrosion expert must be consulted
- Priming the surface with Auscon Bond 007 Primer is recommended, before applying Auscon HS 30

All surfaces must be free from dust, oils, and surface contaminants. This may require cleaning with high-pressure water blasting or saturation to the surface using water prior to applying materials



For More Information contact Auscon Australia

Test Characteristic

Property	Test Method	Results
Cement	AS 3972	Complies
Aggregate / Sand	AS 2758	Complies
Compressive Strength	AS 1478.2 (Appendix A)	Complies
Initial Set (Approximate)	AS 1012.18	240 minutes @ 20 °C
Final Set (Approximate)	AS 1012.18	600 minutes @ 20 °C
Maximum Particle Size	1.0 mm	
Mixing Time	3 Minutes	
Yield per 20 kg (Approximate)	11 litres per 20kg	

Compressive Strength

Minimum MPa	MPa @ 24hrs	MPa @ 7 days	MPa @ 28 days	Water / 20kg
Dry pack	20	30	45	3.0
Trowelable	15	25	40	4.0

The Data testing was conducted in a controlled laboratory environment field results may vary and is beyond Auscon Australia control

- **Storage** - Store undercover in cool, dry conditions
- **Shelf Life** - 12 Months if unopened and kept in a dry location. Best to use within 6 months from purchase date
- **Clean up** - Clean tools and surfaces using clean water within 30 minutes of applying materials or before curing
- **Packaging** - 20kg paper bag, 48 bags per pallet, pallet weight 990kg, (including pallet)
- **Disposal** - Keep out of sewer and stormwater lines. In the interest of the environment, please dispose of empty bag and materials as trade waste in accordance with local authority guidelines.
- **Safety Information** - The end-user of this product must first read the latest version of the Safety Data Sheets at www.auscon.net.au before this product can be used.

Auscon products are manufactured using ISO 9001 Certified Processes.

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DISCLAIMER - The end use of this product is beyond the manufacturers control and liability is restricted to the replacement of material proven to be faulty. The manufacturer is NOT responsible for any loss or damage arising from incorrect usage of this product. The information contained herein is provided in good faith and to best of Auscon Australia knowledge is true and accurate. No warranty is implied or given as to its completeness or accuracy in describing the performance or suitability of the product for an application.

Users are requested to check that the literature in their possession is of the latest and correct issue, Auscon is a registered trademark of Auscon Australia Pty Ltd. The recommendations to the application and use of the Auscon Australia cement products are based on materials mixed and applied under normal conditions. Site conditions and substrates will vary.

The product must be first tested to its suitability of the intended application before use. The end user of this product must first read the latest version of the Product & Safety Data Sheets at www.auscon.net.au before this product can be used.



For More Information contact Auscon Australia

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