

KC 05 FR NON COMBUSTIBLE ACRYLIC KEYCOAT

Auscon KC 05 FR Technical Data Sheet

Auscon KC 05 FR Non-Combustible Acyclic Keycoat is a cement based acrylic polymer modified Keycoat render. It is used over surface substrates with poor key quality and provides a mechanical key of roughness to most surface substrates. Auscon KC 05 FR is used as part of a system with Auscon PM 20 FR Render over permanent formwork PVC & Fibro cement walls. It can also be used over brick & blockwork. KC 05 FR Complies to AS 1530.1 Non-Combustible.

Application, Advantages and Solution

- Pumpable
- Pre-mix - just add water
- Render over in 24 hours
- Hard-wearing
- Interior & Exterior
- Provides a mechanical key to most substrates

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 for 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 to a homogenised workable mix.

Water Ratio Limits	Litres per 20 kg bag
Trowelable	3.6 – 3.8

Applying Mixed Material

- Application thickness: 1 mm to 2 mm.
- Do not exceed the recommended thickness in any layer.
- Do not mix more material than can be placed in 15 minutes.

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.
- Brick and masonry surface substrates must be hosed down before applying KC 05 FR .
- Priming the surface with Auscon Bond 007 or BP 008 Primer is recommended before applying KC 05 FR.
- **Rendering & surface preparation over permanent formwork PVC & Fibro cement walls**
you MUST first read the Auscon Australia rendering application system document before the render is applied

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

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Test Characteristic

Property	Test Method	Results
Cement	AS 3972	Complies
Chloride Content	AS 3972 Req. - Max 0.10 %	0.01 %
Initial Set	AS 1012.18	240 minutes @ 20 °C
Final Set	AS 1012.18	480 minutes @ 20 °C
Colour	Grey	
Maximum Particle Size	45 Microns	
Before Texture & Painting	Render Wall moisture content must be lower < 16%	
Mixing Time	3 to 4 minutes	
Pump Life	90 - 120 minutes @ 20°C (approximately)	
Coverage per 20 kg	5.5 m2 @ 1 mm thick (approximately)	

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 the purchase date.
- **Clean up** - Clean tools and surfaces using clean water within 30 minutes of applying materials or prior to 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 Technical & Safety Data Sheets at www.auscon.net.au before this product can be used.



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