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Renderprime S

Polymer admixture for concrete mortars and screeds

USES

Renderprime S is a general purpose polymer admixture for concrete mortars and screeds, designed to improve adhesion and strength. Renderprime S is ideal for use with Granotop.

BENEFITS

- Ready for use straight from container
- Excellent adhesion
- Water based formulation
- Ease of application
- Compatible with all types of Portland cement
- Versatility in mix design

TYPICAL PROPERTIES

<i>Appearance</i>	Milky white liquid
<i>Specific Gravity @ 20°C</i>	1.10 gm/ml
<i>Bond strength @ 20°C</i>	> 1.5 MPa

PREPARATION

All surfaces to be repaired or primed should be clean, sound and free from any contamination which would inhibit bond. Cracked or damaged concrete should be repaired or removed, and any oil, grease or chemical contamination must be removed prior to repair or priming with Renderprime S. All free water should be removed from the surface. Any exposed steel should be cleaned back to bright metal and coated with Zincote. Zincote should be allowed to dry before application of Renderprime S.

MIXING

Renderprime S is ready to use as supplied, and should not be diluted other than as required by the mix design or instructions below.

APPLICATION

Where used as a primer, dilute Renderprime S 1:1 with clean water, and apply the substrate in an even pattern, using a brush, broom or spray. Coverage should be approximately 5m² per litre. Coverage will vary depending on the condition and texture of the concrete substrate. Repair mortars should be applied to primed area while the primer is still tacky to achieve best results.

Renderprime S can be used as an admixture to produce heavy duty floors screeds or patching and repair mortars. Mix design examples are provided below.

For a heavy duty floor screed:

Cement	40 kg
3 – 6 mm aggregate	60 kg
Sharp sand	60 kg
Renderprime S	8 litres
Water	To consistency

For a patching repair mortar:

Cement	40 kg
Sharp sand	120 kg
Renderprime S	8 litres
Water	To consistency

Yield for either mix design example above is approximately 80 litres. As a further guide to estimating yield, allow approximately 95 litres of Renderprime S per cubic metre of repair mortar or grano screed required.

CURING

Renderprime S can also be used as a low efficiency curing compound, which will allow the use of most after trades. Apply Renderprime S as supplied at the rate of 5m² per litre. For high efficiency curing compounds, the Aitken Freeman Pavecure range offers several AS3799 compliant, water based materials for a wide variety of applications.

CLEAN UP

All equipment should be cleaned immediately after use with clean water.

SUPPLY

Renderprime S is available in 5 litre or 20 litre plastic containers.

STORAGE

Renderprime S should be stored in a cool, dry place in original unopened containers. Shelf life under these conditions is 12 months.

PRECAUTIONS

Renderprime S is designed for use in ambient temperatures between 10° - 35° C and all properties listed above assume a temperature of 20°C. Where conditions outside this range are encountered, please consult our technical staff prior to application.

Protect product from freezing by storing inside a site shed or warehouse.

Avoid over-mixing any mortar or topping which may result in excessive air entrainment and a consequent reduction in strength.

Material Safety Data Sheets (MSDS) are available to users of Aitken Freeman products on request. Please ensure you have read this data sheet, the MSDS, and the product label carefully before first use of any product.

TECHNICAL SUPPORT

Aitken Freeman offers a comprehensive range of high quality, high performance construction products. In addition, Aitken Freeman offers technical support to users and specifiers, and can arrange on-site visits to end users and contractors.

ALLIED PRODUCTS

Aitken Freeman manufactures a broad range of construction products and can supply the following:

- Grouts and anchoring systems
- Epoxy Surface Coatings
- Admixtures for concrete
- Adhesives & Sealants
- Floor toppings
- Floor levelling compounds
- Concrete Repair materials
- Waterproofing solutions

Refer to Material Safety Data Sheet for precautions and personal protection

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