Rendamix

Waterproofer & Retarder

For Cement Rendering & Dashing Mortars.
Conforms to BS4887.

- Improves spread
- Increases open time
- Salt inhibitor

Colour	Product Code	Pack Size	Box Qty
Amber	**FBRENDA5**	5L	4
	FBBRENDA25	25L	1

Product Description
FEB RENDAMIX is a water resisting, retarding and plasticising admixture for use in sand: cement rendering mortars.

Typical Uses
As an admixture to exterior or above ground cementitious render finishes such as dashing, harling, rough cast and internally after installation of injection DPC's.

Features & Benefits
- The utilisation of FEB RENDAMIX's air entraining and retarding properties allows larger working areas to be covered in a single application process.
- Significant improvement in resistance to water penetration.
- Significant reduction in water demand of a given mix, resulting in reduction in water bleed both on the 'spot board' and in situ.
- Improved durability.
- Inhibits transmission of hydroscopic salts.
- Enhances insulation properties.

Instructions for Use
Preparation of Substrate
The substrate to which the render is to be applied should be thoroughly sound and uncontaminated. Any existing coatings must be removed prior to the commencement of rendering. When the substrate is found to be highly porous, long term bond and durability can be improved by the use of a bonding slurry consisting of cement and FEBOND SBR mixed at 1-2:1. This should be applied to the prepared substrate immediately prior to application of the render, which should be applied 'wet on wet'.

Mixing
Selection of materials and correct mix designs relative to substrate and exposure levels are of paramount importance. Tables A and B give guidance on appropriate mix designs. Selection of materials and application of the external render systems should be in line with BS 5262 1991, Code of Practice for External Render and BS8000 Part 10:1995 Code of Practice for Plastering and Rendering.

Addition
FEB RENDAMIX is supplied ready to use and should be added to the mixing water at a rate of one part FEB RENDAMIX to 20/40 parts water. This corresponds to a dosage rate of 500 ml to 1000 ml per 50 Kg of cement. The plasticising action of FEB RENDAMIX should be used to full effect by reducing the water/cement ratio; a reduction in water content up to approximately 20% is achievable compared to an unplasticised mix.

Care should be taken not to overmix.

Dosage
500 ml to 1000 ml per 50 Kg kilos of cement.

Storage
Protect from frost. Stir before use.

Table A: Mixes suitable for external renders

Mix Designation	Cement:Sand + FEB RENDAMIX
I	N/A
II	1:3 to 4
III	1:5 to 6
IV	1:7 to 8
V	N/A

Shelf Life
Up to two years when stored at normal temperatures in accordance with the manufacturer's instructions.

Table B: Suggested mixes for external renderings relative to background exposure conditions and required finish

Background Material	Type of Finish	First and Subsequent undercoats		
		Severe	Moderate	Sheltered
Dense, Strong, Smooth	Wood Float	II	II	II
	Scraped or Textured	II	II	II
	Roughcast	II	II	II
	Dry Dash	II	II	II
Moderately Strong, Porous	Wood Float	III	III	III
	Scraped or Textured	III	III	III
	Roughcast	II	II	II
	Dry Dash	II	II	II
Moderately Weak, Porous	Wood Float	III	IV	IV
	Scraped or Textured	III	IV	IV
	Dry Dash	III	III	III

Background Material	Type of Finish	Final coat		
		Severe	Moderate	Sheltered
Dense, Strong, Smooth	Wood Float	III	III	III
	Scraped or Textured	III	III	III
	Roughcast	II	II	II
	Dry Dash	II	II	II
Moderately Strong, Porous	Wood Float	III	IV	IV
	Scraped or Textured	III	IV	IV
	Roughcast	II	II	II
	Dry Dash	II	II	II
Moderately Weak, Porous	Wood Float	III	IV	IV
	Scraped or Textured	III	IV	IV
	Dry Dash	III	III	III

NB: Types of finish requiring strong mix designs should not be considered for weak backgrounds. In seaside or marine environments where soluble salts in the background may be present sulphate resisting cement should be used as an alternative to OPC.

Performance Data

Specific gravity @ 20°C	1.02
pH	12
Chloride Ion Content	< 0.1% (w/w) of admixture (nil)
Freezing Point	-3°C
Water Absorption (dosage750ml/50kg cem)	5% compared to 15% for a standard 4:1 sand/cement mix
Set time ASTM C403: 1990 (dosage 750ml/50k cem)	100% longer than control