

RENDACRETE[®] LW

PRODUCT CODE: 3400

DESCRIPTION: RENDACRETE LW is a prepacked, preweighed powder mix containing graded cements, fibres, aggregates, accelerators and polymers. The material does not contain calcium chloride.

SPECIFIC USES: RENDACRETE LW is specifically formulated for use as a concrete repair material in vertical and overhead situations. In many cases the 'high build' nature of the material enables work to be carried out without shuttering.

PACKAGING: Packaged in 25kg durable sacks. YIELD: 25kg of powder yields 19.5 litres of Lightweight Mortar. 1m³ of Lightweight Mortar requires 1500 kgs of powder.

PREPARATION OF SUBSTRATE: All concrete surfaces should be clean and free from laitance. Steel surfaces should be free from loose rust, grease and millscale.

MIXING: Rendacrete Lightweight powder is mixed with water in a 25 litre container. The mortar should be mixed slowly, using 200mm Rotafix mixing paddle (Ref: 3640) for 2-3 minutes. Alternatively for larger amounts of Rendacrete LW use a forced action pan mixer such as a Creteangle
*Add 4 to 4.5 litres of water to the container or mixer.
 Pour 25kg of powder onto the water while mixing slowly, Max 200 rpm.
 After all the powder has been added, mix for 30 seconds.
 The mortar is now ready for use.*

If small amounts of the material are to be used, suitable measuring equipment must be available in order to weigh accurately the powder in relation to the volume of water, e.g. 25 kgs of Rendacrete LW would require 4 to 4.5 litres of water. The material must be placed within 30mins of mixing.

APPLICATION AND EQUIPMENT: Prior to mixing the Rendacrete LW, treat any exposed reinforcing steel with Rotafix HA Slurry Primer. Allow to cure, approximately 30mins. Apply P12 Primer (PD3319-30/11) to all concrete surfaces to be treated with mortar including all reinforcing steel. Apply RLW onto wet P12 Primer. Further water should not be added to in an attempt to reconstitute the mixed RENDACRETE LW.

The general rules with regard to cementitious materials in terms of temperature, humidity and the curing regime should always be observed.

CURE SCHEDULE: Once the material is in place and has placed, apply Vinachem at a rate conducive with overall wetting of the surface.

MATERIAL USAGE/ COVERAGE: 1 bag covers 1m² at 19mm thickness.

CURED PROPERTIES: TYPICAL DATA at 18% water/powder ratio at 20°C
 CONSISTENCY: stiff mortar
 WORKING LIFE: 15 minutes (dependent on temperature and humidity)
 DENSITY: 1500kg/m³

MINIMUM COMPRESSIVE STRENGTH:	7	14	28	Days
	10	28	32	MPa

CLEANING OF TOOLS: Uncured RENDACRETE LW may be readily removed from tools and equipment with clean water.

The site conditions and equipment required when using individual Rotafix products are specific for each project. Only advice given by Rotafix in writing will be considered as part of our contractual liability.

ROTAFIX cementitious based products are mildly alkaline. Users should take the necessary precautions indicated in the COSHH details available from our offices. Please read our Users Safety Guide on the Handling of Resin and Polymer products.

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The information in this document is based on practical tests, but given without guarantee insomuch as methods of use by others is beyond our control. Due to continuing development and improvements, it may be necessary to change without notice the material specification. All goods are sold subject to our Standard Conditions of Sale.



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