

ANDURA LIGHTWEIGHT REPAIR MORTAR

Description

Lightweight Repair Mortar is a Portland cement polymer and fibre modified powder mix. The mix design includes special shrinkage compensating components plus powerful plasticising agents that produce a workable mortar at low water content. The mix design produces a high build polymer and fibre modified cementitious concrete repair system also capable of being applied as a fair faced finish in vertical and overhead situations. The placed product will give protection to exposed reinforcing steel preventing further deterioration. Lightweight Repair Mortar is a one pack product ready for on site mixing only requiring the addition of water. The designed grading and the use of lightweight fillers enable high build vertical and overhead applications to be made achieving high quality finishes. Lightweight Repair Mortar is chloride free and can be safely used in contact with steel reinforcement. The placed mortar has good freeze-thaw stability and low absorption giving protection against atmospheric pollutants.

Uses include:

Lightweight Repair Mortar has been designed for repairing cementitious wall surface imperfections, large cracks, blown render, plinths and window sills.

Typical Mortar Properties @ 20°C

Compressive Strength

Water content 3.5 litres per 18 kg.

1 Day	7 Days	28 Days
7.5N/mm ²	17N/mm ²	24N/mm ²

Tensile Strength at 28 days	1.5N/mm ²
Flexural Strength at 28 days	3.0N/mm ²
Density	1450 kg/m ³
Coefficient of Thermal Expansion	8-11 x 10 ⁻⁶ /°C
Useable Life	45 minutes

Approvals

Lightweight Repair Mortar has been tested in accordance with the appropriate parts of British Standards: BS 1881, BS 6319.

Specification Outline

Concrete repairs and replacement shall be carried out using Lightweight Repair Mortar as supplied by Andura Coatings Ltd. The product must be stored, handled and used strictly in accordance with the manufacturer's instructions.

Technical Support

Andura offers a comprehensive range of high performance coatings for the interior and exterior protection and decoration of building surfaces.

Andura provides a support package to engineers, architects, specifiers, end-users and contractors as well as training and on site assistance.

Instructions for Use Preparation

All surfaces must be sound, clean and provide a good mechanical key. Remove all loose material, paint and oily deposits.

Priming

The prepared surface should be primed using Andura SBR. The primer may be used as supplied and is applied using a stiff bristle brush. Ensure Lightweight Repair Mortar is applied as soon as the SBR has become tacky and before it has dried.

Mixing

Lightweight Repair Mortar is supplied in 20 litre pails. The water requirement for each 18 kg of product is 3.25 to 3.75 litres. Pour the required quantity of water into a suitable mixing vessel. Slowly add the powder to the water whilst continuously mixing. Mechanical mixing is recommended. Suitable mixers include a slow speed high torque drill with a Mortar Stirrer or a forced action mixer such as the Creteangle. Mixing should be continued after all the powder has been added to the mixing water until a smooth lump free mortar is achieved. Part bag mixing should not be used.

Instructions for Use

Application

Apply the Lightweight Repair Mortar firmly onto the primed area. It may be necessary to use a gloved hand to place and compact the mortar behind reinforcing steel and into narrow corners and edges. Initially finish the surface with a wooden trowel. Allow the mortar to stiffen then finish finally with a dampened steel trowel. Where thicker layers are required to be built up, the surface of the under layer should be left with a wood float finish and should be scored. Subsequent primer and Lightweight Repair Mortar layers may be applied as soon as the initial layer is firm enough not to distort under the new work.

The layer thickness of the Lightweight Repair Mortar should not be less than 10mm. Joint sections may be filled in thicknesses up to 75mm. Small pockets can be filled in filled in thicknesses up to 125mm.

Lightweight Repair Mortar may be applied at temperatures between 5°C and 35°C. For application at temperatures outside this range contact the Technical Service Department.

Curing

Curing should be undertaken in accordance with good concrete practice. The curing regime should be applied as soon as finishing is complete. For large areas, as each half-square metre is completed curing should be started. Suitable methods of curing include water spray and polythene sheeting.

Precautions

Health & Safety

Lightweight Repair Mortar is alkaline when mixed with water and should not come into contact with skin or eyes. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs wash thoroughly with clean water.

Should eye contact occur rinse immediately with plenty of clean water and seek medical advice.

Full health and safety details are given in the Product Safety Data Sheet.

Fire

Lightweight Repair Mortar is non-flammable.

Yield

Lightweight Repair Mortar is packed in 18 kgs. At a water content of 3.25 litre per 18 kgs the yield obtained from these units will be approximately 15.0 litres of mixed material.

Storage & Shelf Life

Lightweight Repair Mortar will have a shelf life of 12 months when kept in dry conditions at a temperature of 5°C to 45°C. Storage at higher temperatures or high humidity may reduce the shelf life.

Quality Management

Andura is a British Standards approved firm and has been since 1992.

Andura's Quality Management Systems have been assessed and approved by BSI and conform to ISO 9001: 2008.

Disclaimer

The advice and information provided in this data sheet is given in good faith, but carries no guarantee or acceptance of responsibility. This data sheet becomes invalid as soon as a new edition has been issued. Please check with Andura Coatings that you have the latest edition.

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