

LBS RENDER MORTAR

CHOOSING LBS RENDER MORTAR

- Ideal for **structural waterproofing** thanks to the WT-additives
- The minimal hydraulic shrinkage **protects from passing-through cracks**
- **High and stable adhesion** is assured even in reverse water pressure
- Suitable for **structural operations** thanks to the excellent resistances
- Easy to work and flowing, **reduces fatigue** and **application times**
- The thixotropic consistency and adhesive strength makes it perfect for **above-head works** - The granulometric curve adopted allows for **finiture suitable for every need**



MAIN USES

- Structural waterproofing rendering for walls, concrete and mortars eroded by humidity (both against-ground and with rising damp)
- Structural reinforcement with plain finishing of vertical and horizontal surfaces
- Refurbishment of concrete, structural or non-structural (class R4 according to EN 1504-3), and protection from water penetration (EN 1504-

SUITABLE SURFACES

- Walls and floorings subject to erosion from water
- Rigid waterproofing mortars, especially plasters
- Concrete
- Aerated concrete
- Cotto, bricks, stone
- Every kind of mortar
- Cementitious materials in general, as long as they have a water absorption not excessive and not completely absent

PREPARATION

In the presence of materials either detaching (layers not well cohesive of old walls, powder, rubble) or lubricant (fats, waxes, detergents...) on the surface to be treated, dispose an accurate cleaning or a slight abhration. Pour $\frac{3}{4}$ of the total mixing water in a clean container, add the powder and mix for 3 minutes with a low-speed mixing machine, adding gradually the remaining water until obtaining a homogenous paste. It can also be applied with machines (such as "Turbosol" pumps, etc).

PRODUCT INFORMATION

Appearance: grey powder
Max grain size: 1.2 mm
Workable time: 30 min from mixing
Thickness for layer: 5-25 mm
N of layers: 2+
Yield: 2 1.95 kg/m per mm
Fresh mortar density: 2010±30g/dm³

Water: 3.5 - 4.00 litres/bag (14%-16%)
Mixing time: 3 min
Packaging: 25kg bags
Application and curing temperature: between +5° and +35° C
Storage in a dry place: 12 months from production

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APPLICATION

Briefly, before application, the support must be dampened until reaches SDA (Saturated Dry Condition). Do not apply on surfaces with water puddles or coming water.

Lay with a trowel a first hand of mortar, well-compacted, on which is possible to load more fresh product until a maximum of 25 mm for each hand. Over the first hand, just after first hardening (roughly 4-6h) a second hand must be layered, with a thickness similar to the first one. In order to achieve an efficient waterproofing effect, is a good standard to lay several thin layers instead of one or two thicker ones. Level the mortar with a trowel and straight and work it plan if necessary.

After 1.5 - 2h is possible to use a plastering trowel to make it completely smooth or rough.

It can be covered or painted after 24 hours.

	CHARACTERISTICS	PERFORMANCE	STANDARD REQUIREMENT
EN 1504-2 & 3	Compressive strength	>45 MPa	>45 MPa
	Capillary absorption	<0.15 kg m ² h ^{1/2}	<0.5 kg m ² h ^{1/2}
	Chlorine ion content	<0.003%	<0.05%
	Adhesive strength	>2MPa	>2MPa
	Impeded expansion/shrinkage	≤0.1%	≤0.3%
	Resistance to carbonation	dk≤45	dk≤45
	Freeze-thaw cycles with immersion in defrosting	>2MPa	>2MPa
	salts Storm cycles (thermal shock)	>2MPa	>2MPa
	Dry cycles	>2MPa	>2MPa

SYSTEM COMPLIANCE

LBS WT PRODUCTS are suitable to build systems coverings BS 8102:2022 applications following waterproofing

principle "A": -External waterproofing system (**Grades 1-3 + additional requirements**)

-Internally applied waterproofing system (**Grades 1-3**)

If an underfloor water draining system is included in the project, **principle "C"** can also be met.

GENERAL PRECAUTIONS

Do not make partial mixes, neither use additives/solvents except for clean water at ambient temperature. Do not use bags broken, already opened or containin material either hardened of with lumps. Do not add further water to the mortar already mixed. The fresh product must be protected against bad weather and from too fast drying (screening from direct wind and sun) for at least 48-72 hours from the pose. The datas and timings here reported are referred to controlled conditions of 21°C and RU 65%. Higher temperatures can fasten them, and lower temperatures can slow them down until halting for good under 5°C. Wash the tools with water when the material is still fresh.