

LBS SPRITZ & BONDING MORTAR

CHOOSING LBS SPRITZ & BONDING MORTAR

- Ideal as **waterproofing rough coarse**, thanks to WT additives
- The surface hydrophobic film **improves curing and mechanical strengths**
- The controlled hydraulic shrinkage **protects from passing-through cracks**
- The additivation **impedes the effect of damp rise**.
- **High and stable adhesion** is assured even in reverse water pressure
- **Adjustable consistency** just changing water, according to pose necessities



MAIN USES

- Pose of a gripping impermeable layer with high adhesion, before the laying of coverings for wall, floor, ceiling
- Mortar for localized repairs of concrete (class R3 according to 1504-3), with excellent waterproofing and protection abilities (1504-2)
- Can also be used as a semi-fluid bedding mortar

SUITABLE SURFACES	PREPARATION
<ul style="list-style-type: none"> -Flooring subject to erosion by water -Waterproofing grip mortars/rough coats -Old flooring substrates -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. 	<p>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 of an accurate cleaning or a slight abrasion. Pour ¾ of the total mixing water into 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 a machine (such as "Turbosol" pumps, etc).</p>

PRODUCT INFORMATION

<p>Appearance: grey powder</p> <p>Max grain size: 3.0 mm</p> <p>Workable time: 40 min from mixing</p> <p>Thickness for layer: 10-30mm</p> <p>N of layers: 1</p> <p>Yield: 1.75 kg/m² per mm</p> <p>Fresh mortar density: 2100±30g/dm³</p>	<p>Water: 4.25-4.75 litres/bag (21%-22%)</p> <p>Mixing time: 3 min</p> <p>Packaging: 25kg bags</p> <p>Application and curing temperature: between +5° and +35° C</p> <p>Storage in a dry place: 12 months from production</p>
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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.

When used as a gripping mortar, a single layer can be put by hand or by machine in a coarse manner, without working it too smooth or plain, just making sure to cover the entire application surface without excessive gradients. When applied on walls, a single hand is sufficient, while when used to realise the first waterproofing before the pose of K Screed WT is necessary to lay at least two hands (after 4-6h roughly).

The mortar can also be kept with plastic/thixotropic consistency and used as a repair or bedding mortar, using 2-3% less of water (17-19%). In that case, can be worked smooth, with a trowel or by pressing it, after 1.5 - 3 hours from mixing.

	CHARACTERISTICS	PERFORMANCE	STANDARD REQUIREMENT
EN 1504-2 & 3	Compressive strength	>30 MPa	>25 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	>1.5MPa	>1.5MPa
	Impeded expansion/shrinkage	≤0.05%	≤0.3%
	Resistance to carbonation	dk≤45	dk≤45
	Freeze-thaw cycles with immersion in defrosting salts	>1.5MPa	>1.5MPa
	Storm cycles (thermal shock)	>1.5MPa	>1.5MPa
	Dry cycles	>1.5MPa	>1.5MPa

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 containing material either hardened or 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 data and timings here reported are referred to controlled conditions of 21 C and RH 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.