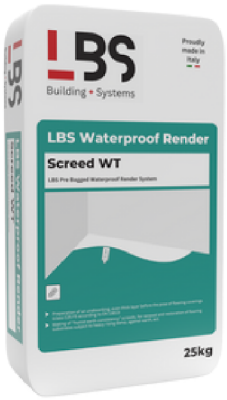
LBS SCREED WT

CHOOSING LBS SCREED WT

- Ideal for **the waterproofing refurbishment of floors** thanks to the WT additives
- The surface hydrophobic film **improves curing and mechanical strengths**
- The controlled hydraulic shrinkage **protects from passing-through cracks**
- The open and rough final structure **impedes capillary absorption**
- The additivation **mitigates the effects** of evaporation too fast or slow
- **High and stable adhesion** is assured even in reverse water pressure



MAIN USES

-Preparation of an unabsorbing, even thick layer before the pose of flooring coverings (class C25 F5 according to EN 13813)
-Making of "humid earth consistency" screeds, for renewal and restoration of flooring substrates subject to heavy rising damp, against-earth, ecc

SUITABLE SUBSTRATES

- 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

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 of an accurate cleaning or a slight abrasion. Fix along the perimeter to be treated (walls, pillars, etc) some dishardening material (such as polymeric bands, cork or EPS) >5mm thick. 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).

PRODUCT INFORMATION

Appearance: grey powder
Max grain size: 3.0 mm
Workable time: 40 min from mixing
Thickness for layer: 20-50mm
N of layers: 1+
Yield: 1.95 kg/m^2 per mm
Fresh mortar density: 2060±30g/dm^3

Water: 2.1 - 2.4 litres/bag (7%-8%)
Mixing time: 3 min
Packaging: 28kg bags
Application and curing temperature: between +5° and +35° C
Storage in a dry place: 12 months from production

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APPLICATION

Anchored screeds (20-40mm): Prepare a grip layer of rough coat **LBS Spritz & Bonding Mortar**
Floating screeds (sopra 30 mm): Lay down a dishartening polimeric sheet (PVC, PTE, ecc), sovrapposed along juctions for at least 20 cm. Apply the mixed material directly on the fresh rough coat or on the sheet, compacting and working it even with a trowel. In areas crossed by channels, cables, etc, the screed must be reinforced with hexagonal meshes armor. It is always mandatory to make sure to have at least 20 mm of screed, including raised objects.
For discontinue works in which the casting recovery is necessary, the area of the screed with the surface to be reprised must be prepared by inserting (for half lenght) in the fresh mortar some metallic bars (30 cm long and 4-8 mm thick) every 20-30cm.
Hardening time: 1.5-2h
Covering time: 4 days for tiles, cotto, moquette, 7 days (after a check of the surface humidity being 2% or less) for wood, parquet, polimers (resins/PVC).

	CHARACTERISTICS	PERFORMANCE	STANDARD REQUIREMENT
EN 14891	Compressive strength	>25 MPa (C25)	Classes C1-C30+
	Flexural strength	>5 MPa (F5)	Classes F1-F10+
	Abrasion resistance (Bohme)	A4	Classes A1-A50
Stand alone tests	Impaired expansion/shrinkage	≤0.3%	ND
	Adhesive strength (on standard concrete)	>1.5 MPa	ND
	Capillary absorption	< 0.2 kg/m^2/ h1/2	ND
	Water vapour permeability	Sd=10m±5	ND
	Capillary absorption and water absorption	≤0.2kg/m^{2}h1/2	ND

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 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 data 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.

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