

Screed/Render Waterproofing System



NEW BUILD | REBUILD | RENOVATE

MAINTENANCE FREE



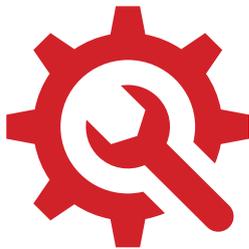
Introducing LBS Pre-Bagged Waterproof Render System:

Protect Your Building with the Best

LBS is dedicated to delivering sustainable, forward-thinking solutions for the construction sector. Our waterproof render system is the outcome of extensive research and development, built on modern advances in materials science and engineering.

Engineered to provide complete protection for both above and below ground structures, this system prevents water penetration without the need for internal drainage channels or mechanical pumping used in other methods. With the LBS waterproofing system, you gain long-term, dependable protection for your building.

Our focus on sustainability also shapes how we operate. We design our manufacturing processes to limit waste and reduce environmental impact. Choosing LBS means supporting a more environmentally responsible future.



MAINTENANCE FREE SYSTEM

After the application of the product, there is no need for any drainage equipment or materials like water pumps.

Benefits

- ▶ Able to resist high negative and positive hydrostatic water pressure
- ▶ High adhesion to substrates
- ▶ Highly durable, hard-wearing, and long-lasting
- ▶ Conforms to the shape of the structure
- ▶ Meets Grades 1 - 3 standards set out in BS 8102-2022
- ▶ Suitable for use in areas with high water tables as per BS 8102-2022
- ▶ *LBS provides a guarantee for the product when installed by an authorised contractor.

Applications & Uses

The LBS Waterproofing System provides complete protection to both above and below-ground structures against water penetration, thereby eliminating the need for any maintenance of internal drainage or pumping systems that may be necessary with other solutions.

The system can be applied to almost any structure and creates a reliable and watertight seal, making it suitable for structures that require keeping water out or those that require keeping water in.

Water Out

- ▶ Basements
- ▶ Car parks
- ▶ Tunnels
- ▶ Cellars
- ▶ Underground stations
- ▶ Subways
- ▶ Pavement vaults

Water In

- ▶ Reservoirs
- ▶ Waste water treatment plants
- ▶ Containment bunds
- ▶ Swimming pools
- ▶ Sewers and pipes
- ▶ Ponds







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PARKING 09

Why choose the LBS Waterproof Render System

The system is engineered for versatility and durability, making it suitable for a wide range of applications. Whether your project involves preventing water ingress, ensuring water retention, or protecting structures above or below ground, the LBS Waterproofing System delivers outstanding performance.

Applications include:

- ▶ Above-ground protection for external finishes exposed to rain, moisture and damp, such as walls, facades, retaining walls, planters or areas below the DPC.
- ▶ Below-ground elements like basements, foundations, car parks, tunnels, cellars, underground stations, subways and pavement vaults.
- ▶ Water-containment structures including reservoirs, wastewater treatment plants, containment bunds, swimming pools, sewers and pipes, and ponds – offering both “water in” and “water out” functionality.

With this system you get a reliable, watertight seal applicable to virtually any structure, enabling either protection from ingress or retention of water depending on your requirement.



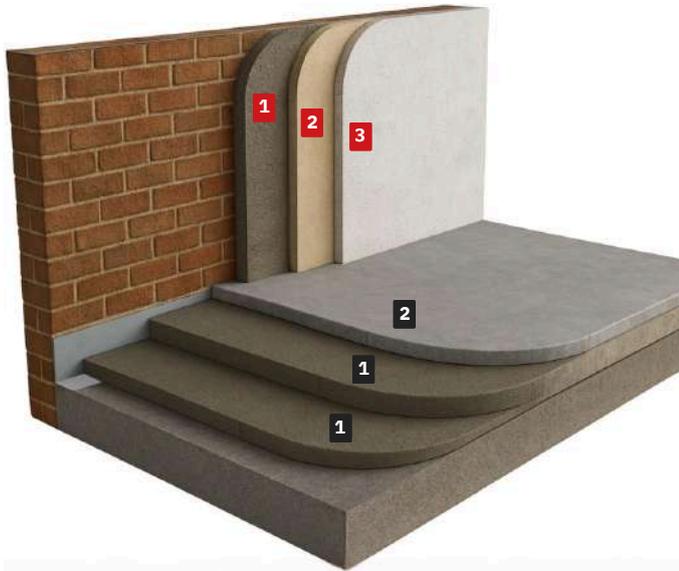
APPROVED APPLICATOR GUARANTEE

Find an approved applicator - contact our team!

technical@licataltd.co.uk

When installed by a member of the approved applicator network at Licata Building Systems Ltd, a comprehensive systems guarantee is available, including 10 year and 25 year warranty options that provide long-term peace of mind and reflect the confidence we have in our quality and workmanship.

LBS Pre-Bagged **Screed** Waterproofing System:



WALLS

- 1 Single layer LBS SPRITZ WT
- 2 Two or more layers LBS RENDER WT
- 3 Single layer LBS FINISH WT

FLOOR

- 1 Two layers LBS SPRITZ WT
- 2 Single layer LBS SCREED WT

1 1 Spritz & Bonding



2 Render Mortar



3 Finishing Mortar



2 Screed WT



System Components

The LBS Pre-Bagged Waterproofing Render System comprises three essential layers to ensure an effective, watertight finish:

LBS Spritz & Bonding Mortar

The first layer ensures excellent adhesion to the substrate while providing a stable and level foundation for subsequent coats.

It helps seal the surface and improve the overall durability of the system.

Consistency can be adjusted by varying the water content to suit different application needs.

Floors

LBS Screed WT

Pre-mixed, ready-to-use mortar with controlled shrinkage, based on high-strength hydraulic binders, selected sands and specific additives. Suitable for creating internal and external screed. It can be installed before laying any flooring type including ceramic, natural stone, marble, wood, rubber, and PVC flooring.

Walls

LBS Render Mortar

A robust, waterproof mortar layer that forms the core of the system.

It delivers strength, flexibility, and resistance to water penetration.

LBS Finishing Mortar

The finishing layer provides a smooth, durable surface that enhances the waterproofing system while delivering a clean, decorative final appearance.



Complimentary Waterproofing Products

Injecto Gel

LBS Injecto Gel is an innovative solution designed to stop rising damp. This water-repellent gel comes in 300 ml cartridges and is applied using a standard application gun. No specialised injection equipment is needed. The gel is injected into a line of drilled holes along the mortar bed, where it spreads through the damp masonry to create an effective Damp Proof Course (DPC). This barrier helps the wall dry out and prevents future moisture from moving upward through the structure.

The product meets the performance standards set out in WTA Guideline 4-4-04/D for the injection of masonry to prevent capillary moisture.



- Easy to install, with minimal risk of user error and little dependence on specialist skills.
- A single-component, ready-to-use product.
- Quick installation with no need for double drilling or waiting for liquid products to soak in under pressure or gravity.
- No requirement to seal the injection holes beforehand, unlike pressure-based systems.
- Rapid injection with no pumping wait times and no repeated refilling as needed with gravity-fed methods.
- Provides a predictable, consistent application rate, making it simple to estimate material requirements.
- Does not require any specialised or costly pumping equipment.
- Keeps the site clean, with virtually no spills or leakage into adjoining walls, cavities, or service ducts.

Consumption

Number of cartridges required:

Length of wall	Wall thickness			
	110 mm	220 mm	330 mm	440 mm
10 m	3	6	10.2	14
20 m	6	12	20.4	26
30 m	9.2	18	30.6	42
40 m	12.2	24	40.4	46

Complimentary Waterproofing Products

Elasto 1000

Ideal for waterproofing both external and internal areas such as foundations, retaining walls, terraces, balconies, and screeds prior to tiling. Also suitable for protecting concrete against CO2 chemical attack, and pollutants etc.

- Exceptional waterptoofting performance (<20 g water/metre)
- Complete protection against carbonation
- Strong adhesion even under extreme conditions (frost, heat, etc.)
- Perfect application on horizontal and vertical surfaces thanks to anti-sagging technology.
- UV-stable, a long-lasting and reliable solution.
- Resistant to abrasion and suitable for walking or inspection.
- Withstands negative hydrostatic pressure up to 250kPa.
- Stable in contact with common water solutes (salts, ammonium, etc.)



Application Data

Appearance: grey powder
Maximum grain size: 0.2 mm
Pot life: approx. 40 minutes after mixing
Layer thickness: 1-2 mm per coat
Number of coats: 2-4
Consumption: approx. 1.2 kg/m² per mm thickness
Fresh mortar bulk density: approx. 1500 ± 50 g/dm³

Mixing water: 4.8-5.2 litres per 20 kg bag (24-26%)
Mixing time: approx. 3 minutes
Packaging: 20 kg bags
Application and curing temperature: from +5 °C to +35 °C
Shelf life: 12 months when stored in a dry place (from date of production)

Complimentary Waterproofing Products

LBS FlexTape

LBS FlexTape is a highly elastic pre-formed tape for waterproofing over joints or cracks and where a high degree of movement is expected in both vertical and horizontal applications. The material is suitable for use on a number of different substrates including concrete, brick, block and metals. It is bonded to the substrate using Epoxy Bond. Available in various widths.



LBS Epoxy Bond

A two component epoxy structural adhesive, for bonding LBS FlexTape. It is in the form of a thixotropic soft paste, tolerates damp substrates, and it is suitable for applications between +5 °C and +40 °C. It is used to bond flex tape across cracks, joints, and variations in the substrate.



LBS Spritz & Bonding Mortar

Product Description

LBS Spritz & Bonding Mortar is a pre-bagged mortar formulated with WT additives, making it ideal as a waterproofing rough coat. The surface hydrophobic film enhances curing and improves mechanical strength.

Controlled hydraulic shrinkage helps prevent through-cracking, while the additives inhibit the effects of damp rise. The product provides high and stable adhesion, even under reverse water pressure conditions.

Consistency can be adjusted by varying the water content to suit application requirements.



Main Uses

- Application of a high-adhesion, impermeable gripping layer prior to installing wall, floor, or ceiling finishes.
- Localised concrete repairs (Class R3 according to EN 1504-3), offering excellent waterproofing and protective performance (EN 1504-2).
- Can also be used as a semi-fluid bedding mortar.

Suitable Substrates

- Floors subject to water erosion
- Waterproofing grip mortars / rough coats
- Existing flooring substrates
- Concrete
- Aerated concrete
- Cotto, brick and stone
- All types of cementitious mortars, provided water absorption is neither excessive nor completely absent.

Substrate Preparation

If the substrate contains loose or poorly cohesive materials (such as deteriorated layers, dust, debris, lubricants, oils, waxes or detergents), these must be completely removed by thorough cleaning or light abrasion.

For mixing:

- Pour approximately $\frac{3}{4}$ of the required clean water into a suitable mixing container.
- Add the powder and mix for 3 minutes using a low-speed mechanical mixer.
- Gradually add the remaining water until a homogeneous paste is achieved.

The product may also be applied using suitable spraying equipment.

Product Information

Appearance: Grey powder

Maximum aggregate size: 3.0 mm

Workability time: Approximately 40 minutes from mixing

Application thickness per layer: 10 - 30 mm

Number of layers: 1

Yield: 1.75 kg/m² per mm thickness

Fresh mortar density: 2100 ± 30 kg/m³

Water demand: 4.25 - 4.75 litres per 25kg bag (21-22%)

Mixing time: 3 minutes

Packaging: 25kg bags

Application and curing temperature: +5°C to +35°C

Storage: 12 months from production date when stored in a dry environment

LBS Spritz & Bonding Mortar

Application

Before application, dampen the substrate until it reaches Saturated Dry Condition (SDC). Do not apply to surfaces with standing water. When used as a gripping mortar, apply a single rough layer by hand or machine. Avoid over-smoothing; ensure full surface coverage. When applied to walls, one layer is generally sufficient. When used as the first waterproofing layer prior to applying K Screed WT, apply at least two coats (the second coat after approximately 4–6 hours).

The mortar may also be mixed to a plastic/thixotropic consistency and used as a repair or bedding mortar by reducing the water content by 2–3% (17–19%). In this case, it can be smoothed with a trowel or by pressing after approximately 1.5–3 hours from mixing.

Performance Characteristics

(Compliant with EN 1504-2 and EN 1504-3)

Characteristic	Performance	Standard Requirement
Compressive strength	> 30 MPa	> 25 MPa
Capillary absorption	< 0.15 kg·m ⁻² ·h ^{-1/2}	< 0.5 kg·m ⁻² ·h ^{-1/2}
Chloride ion content	< 0.003%	< 0.05%
Adhesive strength	> 1.5 MPa	> 1.5 MPa
Restrained expansion/shrinkage	≤ 0.05%	≤ 0.3%
Resistance to carbonation	dK ≤ 45	dK ≤ 45
Freeze-thaw resistance (with de-icing salts)	> 1.5 MPa	> 1.5 MPa
Thermal shock resistance	> 1.5 MPa	> 1.5 MPa
Dry cycles resistance	> 1.5 MPa	> 1.5 MPa

System Compliance

LBS WT products are suitable for use in building systems compliant with BS 8102:2022, in accordance with Waterproofing Type “A”:

- External waterproofing systems (Grades 1–3, plus additional requirements)
- Internally applied waterproofing systems (Grades 1–3)

Where an underfloor drainage system is incorporated, Waterproofing Type “C” may also be satisfied.

General Precautions

Do not prepare partial mixes and do not use additives or solvents other than clean water at ambient temperature. Do not use damaged or opened bags, or material that has already hardened. Do not add additional water once the mortar has begun to set. Freshly applied product must be protected from adverse weather conditions and rapid drying, including direct sun and wind, for at least 48–72 hours after application. The stated performance data and working times refer to controlled conditions at +21°C and 65% relative humidity. Higher temperatures may accelerate setting times, while temperatures below +5°C may significantly slow down or halt curing. Clean tools with water while the material is still fresh.

LBS Render Mortar

Product Description

LBS Render Mortar is a pre-bagged mortar formulated with WT additives, making it ideal for structural waterproofing applications. Its minimal hydraulic shrinkage helps prevent through-cracking, while ensuring high and stable adhesion, even under reverse water pressure conditions. The product is particularly suitable for structural works due to its excellent resistance performance.

It offers smooth workability and good flow characteristics, reducing operator fatigue and application time. The thixotropic consistency and strong adhesion make it especially suitable for overhead applications. The selected granulometric curve allows for a range of finishes to suit different project requirements.



Main Uses

- Structural waterproof rendering for walls, concrete and mortars affected by moisture (both below ground and in areas subject to rising damp).
- Structural reinforcement through finishing of vertical and horizontal surfaces.
- Refurbishment of concrete (structural or non-structural, Class R4 in accordance with EN 1504-3) and protection against water penetration (EN 1504-2).

Suitable Substrates

- Wall and floors subject to water erosion
- Rigid Waterproofing mortars, particularly plasters
- Concrete.
- Aerated concrete
- Cotto, brick and stone
- All types of cementitious mortars, provided water absorption is neither excessive nor completely absent.

Substrate Preparation

Where loose or poorly cohesive materials are present (such as deteriorated layers, dust, debris, lubricants, oils, waxes or detergents), they must be completely removed by thorough cleaning or light abrasion.

For mixing:

- Pour approximately $\frac{3}{4}$ of the required clean water into a suitable container.
- Add the powder and mix for 3 minutes using a low-speed mechanical mixer.
- Gradually add the remaining water until a homogeneous paste is achieved.

The product may also be applied using suitable spraying equipment.

Product Information

Appearance: Grey powder

Maximum aggregate size: 1.2 mm

Workability time: Approximately 30 minutes from mixing

Application thickness per layer: 5 - 25 mm

Number of layers: 2+

Yield: 1.95 kg/m² per mm thickness

Fresh mortar density: 2100 ± 30 kg/m³

Water demand: 3.5 - 4.0 litres per 25kg bag (14-16%)

Mixing time: 3 minutes

Packaging: 25kg bags

Application and curing temperature: +5°C to +35°C

Storage: 12 months from production date when stored in a dry environment

LBS Render Mortar

Application

Before application, dampen the substrate until it reaches Saturated Dry Condition (SDC). Do not apply to surfaces with standing water or active water ingress. Apply the mortar by hand, ensuring it is well compacted. Up to 25 mm may be applied per coat. Once the first coat has partially hardened (approximately 4–6 hours), apply a second coat of similar thickness.

For effective waterproofing performance, it is recommended to apply several thinner coats rather than one or two thick layers. Level the mortar with a straightedge and trowel, ensuring a flat surface where required. After approximately 1.5–2 hours, the surface can be finished with a plastering trowel to achieve either a smooth or textured finish. The surface may be coated or painted after 24 hours.

Performance Characteristics

(Compliant with EN 1504-2 and EN 1504-3)

Characteristic	Performance	Standard Requirement
Compressive strength	> 45 MPa	> 45 MPa
Capillary absorption	< 0.15 kg·m ⁻² ·h ^{-1/2}	< 0.5 kg·m ⁻² ·h ^{-1/2}
Chloride ion content	< 0.003%	< 0.05%
Adhesive strength	> 2 MPa	> 2 MPa
Restrained expansion/shrinkage	≤ 0.1%	≤ 0.3%
Resistance to carbonation	dK ≤ 45	dK ≤ 45
Freeze-thaw resistance (with de-icing salts)	> 2 MPa	> 2 MPa
Thermal shock resistance	> 2 MPa	> 2 MPa
Dry cycles resistance	> 2 MPa	> 2 MPa

System Compliance

LBS WT Products are suitable for use in building systems compliant with BS 8102:2022, in accordance with Waterproofing Type “A”:

- External waterproofing systems (Grades 1–3, plus additional requirements)
- Internally applied waterproofing systems (Grades 1–3)

Where an underfloor drainage system is included in the project, Waterproofing Type “C” may also be satisfied.

General Precautions

Do not prepare partial mixes, nor use additives or solvents other than clean water at ambient temperature. Do not use damaged or opened bags, or material that has hardened or contains lumps. Do not add additional water to mortar that has already been mixed. Freshly applied product must be protected from adverse weather conditions and rapid drying (including direct sun and wind) for at least 48–72 hours after application. The data and working times stated refer to controlled conditions at +21°C and 65% relative humidity. Higher temperatures may accelerate setting times, while temperatures below +5°C may significantly slow down or stop curing. Clean tools with water while the material is still fresh.

LBS Finishing Mortar

Product Description

LBS Finishing Mortar is a pre-bagged mortar formulated with WT additives, providing a fully water-repellent finish.

Its minimal hydraulic shrinkage helps prevent through-cracking, while ensuring high and stable adhesion, even under reverse water pressure conditions. The product is suitable for structural applications due to its excellent mechanical performance. It offers smooth workability and good flow characteristics, reducing operator fatigue and application time. The thixotropic consistency and strong adhesion make it particularly suitable for overhead applications. The selected granulometric curve allows for a range of finishes to meet project requirements.



Main Uses

- Waterproof reinforcement of concrete, walls and mortars affected by moisture (both below ground and in areas subject to rising damp).
- Hydrophobic finishing layer over structural waterproof rendering mortars, prior to the application of decorative finishes and coatings.
- Refurbishment of concrete (structural or non-structural, Class R4 in accordance with EN 1504-3) and protection against water penetration (EN 1504-2).

Suitable Substrates

- Walls and floors subject to water erosion
- Rigid waterproofing mortars, particularly plasters
- Concrete
- Aerated concrete
- Cotto, brick and stone
- All types of cementitious mortars, provided water absorption is neither excessive nor completely absent

Substrate Preparation

Where loose or poorly cohesive materials are present (such as deteriorated layers, dust, debris, lubricants, oils, waxes or detergents), they must be completely removed by thorough cleaning or light abrasion.

For mixing:

- Pour approximately $\frac{3}{4}$ of the required clean water into a suitable container.
- Add the powder and mix for 3 minutes using a low-speed mechanical mixer.
- Gradually add the remaining water until a homogeneous paste is achieved.

The product may also be applied using suitable spraying equipment.

Product Information

Appearance: Grey powder

Maximum aggregate size: 1.2 mm

Workability time: Approximately 30 minutes from mixing

Application thickness per layer: 3 - 15 mm

Number of layers: 2+

Yield: 1.75 kg/m² per mm thickness

Fresh mortar density: 2000 ± 30 kg/m³

Water demand: 3.75 - 4.25 litres per 25kg bag (15-17%)

Mixing time: 3 minutes

Packaging: 25kg bags

Application and curing temperature: +5°C to +35°C

Storage: 12 months from production date when stored in a dry environment

LBS Finishing Mortar

Application

Before application, dampen the substrate until it reaches Saturated Dry Condition (SDC). Do not apply to surfaces with standing water or active water ingress. Apply the first coat by trowel, ensuring it is well compacted. Up to 15 mm may be applied per coat.

Once the first coat has partially hardened (approximately 4–6 hours), apply a second coat of similar thickness. For effective waterproofing performance, it is recommended to apply several thinner coats rather than one or two thick layers.

Level the mortar using a straightedge and trowel, ensuring a flat surface where required. After approximately 1.5–2 hours, the surface can be finished with a plastering trowel to achieve either a smooth or textured finish. The surface may be coated or painted after 24 hours.

Performance Characteristics

(Compliant with EN 13813)

Characteristic	Performance	Standard Requirement
Compressive strength	> 45 MPa	> 45 MPa
Capillary absorption	< 0.15 kg·m ⁻² ·h ^{-1/2}	< 0.5 kg·m ⁻² ·h ^{-1/2}
Chloride ion content	< 0.003%	< 0.05%
Adhesive strength	> 2 MPa	> 2 MPa
Restrained expansion/shrinkage	≤ 0.05%	≤ 0.03%
Resistance to carbonation	dK ≤ 45	dK ≤ 45
Freeze-thaw resistance (with de-icing salts)	> 2 MPa	> 2 MPa
Thermal shock resistance	> 2 MPa	> 2 MPa
Dry cycles resistance	> 2 MPa	> 2 MPa

System Compliance

LBS WT Products are suitable for use in building systems compliant with BS 8102:2022, in accordance with Waterproofing Type “A”:

- External waterproofing systems (Grades 1–3, plus additional requirements)
- Internally applied waterproofing systems (Grades 1–3)

Where an underfloor drainage system is included in the project, Waterproofing Type “C” may also be satisfied.

General Precautions

Do not prepare 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 application. 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.

LBS Screed WT

Product Description

LBS Screed WT is a pre-bagged screed mortar formulated with WT additives, specifically designed for the waterproofing refurbishment of floors.

The surface hydrophobic film enhances curing and improves mechanical strength. Controlled hydraulic shrinkage helps prevent through-cracking, while the dense final structure reduces capillary absorption. The additives also regulate evaporation, mitigating the effects of drying that is either too rapid or too slow.

High and stable adhesion is ensured, even under reverse water pressure conditions.



Main Uses

- Preparation of an even, non-absorbing layer prior to the installation of floor coverings (Class C25 F5 in accordance with EN 13813).
- Installation of “humid earth consistency” screeds for renovation and restoration of flooring substrates subject to severe rising damp, below-ground conditions, or contact with soil.

Suitable Substrates

- Floors subject to water erosion
- Waterproofing grip mortars / rough coats
- Existing flooring substrates
- Concrete
- Aerated concrete
- Cotto, brick and stone
- All types of cementitious mortars, provided water absorption is neither excessive nor completely absent.

Substrate Preparation

Where loose or poorly cohesive materials are present (such as deteriorated layers, dust, debris, lubricants, oils, waxes or detergents), these must be completely removed by thorough cleaning or light abrasion.

Along the perimeter of the area to be treated, install a compressible joint material (such as polymeric bands or cork strips) with a minimum thickness of 5 mm.

For mixing:

- Pour approximately $\frac{3}{4}$ of the required clean water into a suitable container.
- Add the powder and mix for 3 minutes using a low-speed mechanical mixer.
- Gradually add the remaining water until a homogeneous paste is achieved.

The product may also be applied using suitable pumping equipment.

Product Information

Appearance: Grey powder

Maximum aggregate size: 3 mm

Workability time: Approximately 40 minutes from mixing

Application thickness per layer: 20- 50 mm

Number of layers: 1+

Yield: 1.95 kg/m² per mm thickness

Fresh mortar density: 2060 ± 30 kg/m³

Water demand: 2.1 - 2.4 litres per 28kg bag (7-8%)

Mixing time: 3 minutes

Packaging: 28kg bags

Application and curing temperature: +5°C to +35°C

Storage: 12 months from production date when stored in a dry environment

LBS Screed WT

Application

Bonded Screeds (20–40 mm) - Prepare a bonding layer using LBS Spritz & Bonding Mortar as a rough coat.

Floating Screeds (minimum 30 mm) - Install a separating sheet (PVC, PE, etc.), ensuring overlaps of at least 20 cm at joints. Apply the mixed material directly onto the fresh bonding coat or onto the separating sheet.

Compact and level thoroughly, using a trowel if required. In areas where pipes, ducts or service channels pass through the screed, reinforce with hexagonal steel mesh. It is mandatory to ensure a minimum thickness of 20 mm of screed above all elements, including raised components. For discontinuous work or construction joints, prepare the screed surface by embedding metallic bars (approximately 30 cm long and 4–8 mm thick) halfway into the fresh mortar at 20–30 cm intervals.

Hardening time: Approximately 1.5–2 hours.

Floor covering installation:

- After 4 days for tiles, cotto and carpet.
- After 7 days (subject to surface moisture being 2% or less) for wood, parquet, resilient flooring and PVC.

Performance Characteristics

(Compliant with EN 13813)

Characteristic	Performance	Standard Requirement
Compressive strength	> 25 MPa (C25)	Classes C1–C30+
Flexural strength	> 5 MPa (F5)	Classes F1–F10+
Abrasion resistance (Böhme)	A4	Classes A1–A50
Restrained expansion/shrinkage	≤ 0.3%	ND
Adhesive strength (standard concrete)	> 1.5 MPa	ND
Capillary absorption	< 0.2 kg/m ² ·h ^{1/2}	ND
Water vapour permeability	Sd = 10 m ± 5	ND
Capillary and water absorption	≤ 0.2 kg/m ² ·h ^{1/2}	ND

System Compliance

LBS WT Products are suitable for use in building systems compliant with BS 8102:2022, in accordance with Waterproofing Type “A”:

- External waterproofing systems (Grades 1–3, plus additional requirements)
- Internally applied waterproofing systems (Grades 1–3)

Where an underfloor drainage system is included in the project, Waterproofing Type “C” may also be satisfied.

General Precautions

Do not prepare 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 application. 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.



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