

LBS Monoscratch 300

Lightweight One-coat monocouche render



Field of Application

LBS Monoscratch can be applied manually or sprayed mechanically on all substrates where traditional hydraulic coatings can be used, mainly:

- Brickwork or lightweight blockwork
- Concrete
- Mineral substrates
- Cementitious basecoat renders.

LBS Monoscratch can be used for renovation or on new buildings.

LBS Monoscratch coatings can be applied directly to the substrate, using the monocouche technique.

Composition

LBS Monoscratch is a mixture of white Portland cement, hydrated lime, silico limestone sand, light aggregates and admixtures.

Characteristics

LBS Monoscratch is a coloured one-coat monocouche render. It is a ready to mix, water repelling facade finish. LBS Monoscratch is available in 48 colours (see colour chart). Other colours are available on demand.

Preparation substrate

Substrates must be stable, sound, clean and dustfree. Organic matter, release agent residue and efflorescence or bloom must be removed.

LBS Monoscratch can be applied directly onto the substrate.

Heterogeneous or uneven walls must have a prior coating of LBS 100. Smooth concrete will be given a prior treatment with LBS Substrate Primer. Substrates with high porosity such as aerated concrete should be given a prior treatment with LBS Substrate Primer. When applying in hot, windy or dry conditions the substrate needs to be humidified a couple of hours before application.

When applying the render and during the hardening process, the ambient temperature, as well as that temperature of the substrate, should not be lower than 5°C or higher than 30°C. The render should not be applied to a wall which is frozen, thawing or likely to freeze in the hours following application. The freshly applied render must be protected from unfavourable weather conditions such as rain, direct sunlight or wind.

Preparation mixture

Mix LBS Monoscratch mechanically with 5.0 to 6.0 litres of clean water per 25kg bags, using a clean container and suitable electric mortar mixer, a cement mixer or a mixing pump. Keep to a constant mixing time (5 min) throughout the entire job. Open time: ± 1 hour Mortar that has started to harden cannot be remixed or reused.

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Application

1. Sprayed finish

The minimum thickness of the first application should be 10 mm to 13 mm at all points. This layer should be allowed to 'set' before application of the final coat, which will be obtained by spraying a second layer 3 to 5 mm thick. A crushed look can be obtained by passing a flexible trowel over the crests of the coating when still fresh.

2. Scraped finish

Apply the render in 1 or 2 applications with a total thickness of 15 mm, then smoothen, with a plasterer's trowel. When the render starts to harden, it will be scraped uniformly with of a scraping tool. After finishing, the total thickness should be at least 12 mm.

3. Fine textured, troweled finish

Spray on the first layer to a minimum thickness of 8 to 10 mm. After a curing period of ± 2 hours, spray on a second layer to a thickness of ± 5 mm, levelled with a plasterer's trowel. As soon as the coating has hardened, smoothen with a trowel or float. Do not wet the surface to get a smoother finish of the surface as this may cause superficial cracking.

Applying to concrete or cementitious base coats:

In this way the render only has a decorative purpose.

The final thickness must always be at least 7 to 8 mm.

Whatever the appearance of the finish, there must be two applications on concrete.

The rendering must be carried out according to the rules of best practice and should be compliant with the CSTC Technical Information

Consumption

For a 13 mm finish:

Sprayed $\pm 19 \text{ kg/m}^2$

Scraped $\pm 22 \text{ kg/m}^2$

Trowelled $\pm 19 \text{ kg/m}^2$

Technical Data

Grain size	0 - 2 mm
Density	$\pm 1340 \text{ kg/m}^3$
Module elasticity	$\pm 4800 \text{ MPa}$
Flexural strength	$\geq 2,0 \text{ MPa}$
Adhesion strength after cycles	$\geq 0,2 \text{ MPa}$
Water retention	$\pm 95 \%$
Water absorption class	W2
Water permeability	$< 1 \text{ ml/cm}^2$
Water vapor permeability μ	≤ 35
Reaction to fire	A1

Packaging

LBS Monoscratch is packed in 25 kg bags on 1,200 kg shrinkwrapped Euro pallets. When stored in a dry place and in the unopened, original packaging the shelf life is 12 months from date of manufacture.

Classification

Complies with EN 9981 Onecoat monocouche render OC2

LBS Monoscratch can be applied manually or sprayed mechanically on all substrates where traditional hydraulic coatings can be used, mainly:

- Brickwork or lightweight blockwork NF 10202 Réf DTU 20.1
- Concrete in accordance with NF P18.210 (réf. DTU 23.1)
- Mineral substrates in accordance with NF P15.201 (réf. DTU 26.1)
- Cementitious basecoat renders.

Substrates RT3 and RT2 in accordance with NF DTU 26.1 Avril 2008