

# Lime Paint

## Product Data Sheet

A water-based and easy-to-use collection of lime paints.



### Product Description

Dry blended paint powder made using high calcium CL90 lime and mineral or earth oxide pigments; combined with carefully selected additives to improve the paints wet stability and dry mechanical properties without impacting on breathability.

This dry powder will need clean potable water added to it to use as a paint.

### Usage

Cornerstone Lime Paint is suitable for use on multiple backgrounds including but not limited to;

- Lime Mortar / Render
- Cement Mortar / Render
- Gypsum Plaster (may need sanding)
- Plasterboard
- Decorating paper
- Bricks / Blocks / Natural Stone
- Concrete
- Some types of modern synthetic paints
- Low traffic timber (not furniture)

This product will need testing on some backgrounds to ensure it will adhere sufficiently. Substrates such as metal are not suitable and this product cannot be used on floors. Very low to no-suction backgrounds may have trouble with adhesion, backgrounds with water repellents, oils, distempers or other similar hydrophobic materials are unsuitable.

If unsure about the suitability of your background please contact us for more details.

Do not use this product below 5°C, do not use this product if freezing conditions are predicted within the following few weeks (including wind chill); we have designed other products which are more appropriate for cold weather work, please contact us for more information. Do not use this product in temperatures above 30°C.

### Coverage

After mixing, a 1.1kg bag will produce 5 litres of wet paint. This should require a water addition of 4.4 litres.

**The yield** will vary depending on the level of background suction with higher suction needing more paint. 5L of mixed paint should cover between 30-60m<sup>2</sup> of background per coat; for quantity calculation purposes we suggest assuming 40m<sup>2</sup> per tub. We would recommend 3 coats or more. On-site trials will always give the best indication of yield for your specific project.

### Advantages

- Quality controlled production and product consistency.
- Improved stability compared to limewash, with reduced segregation and better colour opacity.
- Less dusty surfaces than limewash

### Colours

This range is offered in 12 stock colours and a further 12 made to order colours.

Lime paint colour intensity increases with each coat, as such the final strength of colour will be determined by the number of coats applied.

Sample pots are available on request.

If selecting from a printed colour card we would recommend painting a sample before purchasing as a printed card isn't always the best representation of final achieved colour.

### Surface Preparation

Dense backgrounds are unlikely to be very absorbent and require little to no dampening, whereas more absorbent backgrounds/materials require adequate dampening in order to prevent rapid drying.

Ensure surfaces are clean and free of dust and other debris. Use proprietary cleaners if necessary to remove dirt, mosses and lichen; we would recommend D/2 is used a week before painting.

### Mixing

Start by adding around half of the required water and paint powder into a suitable mixing tub. Gradually add the rest of the water to make a total addition of 4.4 Litres whilst continuously stirring; ideally stir with a squirrel mixer or drill mounted mixing limb, mix at low speed to start with to avoid creating dust. Mix until there are no lumps or fine granules left.

On very high suction backgrounds another 20% of water may be required to prevent the paint from building up too thick per coat. This may be needed for one or two coats only; each subsequent coat should reduce the suction.

Water should be of drinking quality.

Once water has been added, this paint should be suitable for use for 12 hours.

After mixing, the lime can settle towards the bottom of the tub if left undisturbed, as such we recommend keeping mixing through the tub with the brush to keep everything in suspension.

#### Manufactured by Cornerstone Mortars Ltd.

Cornerstone products are CE marked and manufactured under an ISO9001:2015 accredited Factory Production Control System.

#### Supplied by Roundtower

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## Usage

**Coats:** We would recommend a minimum of three coats.

**Application:** Always wet the substrate to control suction before painting, however you don't want to be painting into water sitting on the surface of the wall as this will act as a slip-layer and prevent the paint from bonding.

Use good quality hair brushes, avoid overloading the brush; load only the bottom third. Lay the paint onto the wall using vertical, horizontal and diagonal brush strokes to even out the coating across the surface.

The application should aim to keep the paint as thin as feasible, without brush strokes showing in the surface and without runs. Stir the paint regularly during application to maintain its suspension. Maintain a wet edge on each area being painted to prevent 'bumps' or 'lines' where the paint overlaps; for larger areas or hotter weather this means several people may be required to complete the work.

When the paint is tacky or touch dry it's ready to take another coat.

**Spraying** with this paint is possible, we would recommend only using an airless sprayer and adding 20% extra water on the first coat to make a recommended water addition rate of 5.28L.

After application the paint should be kept damp to promote a cure and protected from direct sunlight and drying winds for a minimum of three days; longer in colder weather. This can be achieved by use of sheeted scaffolding, damp hung hessian or even just unprotected regular dampening in sheltered areas or cooler weather.

## Aftercare

Lime paints are washable; however, they should not be cleaned with detergent, bleach based or acidic cleaners. We would also recommend against use of a pressure washer for cleaning.

We would recommend D/2 Biological Solution as a surface cleaner.

## Packaging

This product is supplied in recyclable paper bags.

## Storage

This product should be stored in dry conditions, in unopened bags and clear from the ground. Always protect bags from water and damp. Reseal part bags after opening if unused product is present.

Use within 12 months of manufacturing date (provided on each bag).

## Health And Usage

**RISK PHRASES: R36 / R37 / R38 / R43**

- Avoid contact with skin and eyes.
- Contact with wet mortar may cause irritation, dermatitis and/or burns.
- Contact between lime powder and body fluid (sweat, eye fluid etc.) may cause skin burns and respiratory irritation, dermatitis or burns.

**SAFETY PHRASES: S2 / S24/25 / S26 / S37**

- Avoid eye and skin contact by wearing suitable eye protection, protective clothing and gloves.
- Avoid breathing dust.
- Keep out of reach of children.
- On contact with skin and/or eyes, rinse immediately with clean water and seek medical attention.

## Declarations

These will contain no Portland Cement whatsoever.

This paint contains less than 0.2% synthetic adhesive.

## Document Control

Datasheet version 1.0, issued August 2022. More modern versions of this document will supersede this datasheet, with no exclusions.