

# LEYCAL®

## ENVIRONMENTALLY SAFE, NATURAL PAINT FOR INDOOR AND OUTDOOR USE

### Product Description

LEYCAL® is a natural paint with high resistance to UV-radiation. It consists mainly of micronized calcium hydroxide binders and does not contain organic substances that do not comply with public health requirements. Non-flammable and fire resistant. Complies with DIN 55945

### Uses

LEYCAL® is used for internal and external applications on concrete, metal, cementitious surfaces, cellular concrete, gypsum, lime and bricks. It can be painted on the inorganic old painted surfaces.

LEYCAL® is also suitable for rooms exposed to high humidity and seepage such as kitchens, basements, bathrooms, underground areas, laundry rooms, warehouses and barns. It is not affected by moisture or humidity caused by seepage and capillarity.

### Advantages

**Weather resistant:** LEYCAL® is open-pored and steam permeable. It is highly resistant to moisture, thermal changes and severe weathering conditions and is especially suitable for high humidity areas.

**Quick drying:** LEYCAL® dries quickly and hardens within 4 hours.

**Anti-bacterial:** LEYCAL® is anti-bacterial and anti-fungi even under high humidity or external seepage.

**Non Toxic:** LEYCAL® is a natural paint and does not emit harmful substances. These paints are the safest for your health and for the environment.

**Environmentally safe:** LEYCAL® does not contain any chemical or organic substances which have negative impact on the environment and does not need any preservatives, anti-bacterial or anti-fungi, since all its basic components are natural inorganic materials.

**Non-yellowing:** LEYCAL® will not change colour even under difficult weathering conditions.

**Non-flammable:** LEYCAL® is not combustible and fire resistant.

**Solvent free:** It does not contain any solvents.

**Superior finish:** Does not dust, and has high abrasion and friction resistance.

**Strength:** Increased strength with time and also when exposed to moisture.

**Dirt resistant:** Has low tendency to pick up dirt and is also highly resistant to water washing. Dries quickly and becomes hard within few hours.

**Coverage:** Ready to use paint providing high coverage.

**Non-peeling:** No formation of superficial films when it dries – will not flake or de-laminate.

**Crack resistant:** Is not susceptible to internal stresses when dried or hardened.

**Breathable:** Open-pored with high steam permeability.

**Time saving:** Can be applied to freshly plastered surfaces.

**Odour free:** Not only is odour free it also has a high ability to absorb unwanted odours and moisture from the air, especially if it is applied on porous surfaces such as cementitious plaster, concrete and bricks.

**Economical:** Reasonably priced and economical.

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## Technical Data

### Appearance/Colour

LEYCAL® comes in natural white matt and can be coloured upon request by using oxide powder or traditional colouring pigments. A glossy surface can be reached when applied on surfaces pre-treated with suitable sealers, such as LEYCOLOR 301

### Characteristics

Non-combustible

### Consumption

1kg covers 6-7m<sup>2</sup> each layer.

Consumption may vary on the quality of the surface (rough and absorptive surfaces consume more).

### Density:

1.5 + 0.05 g/ ml

### Dilution

1:5 to 1:10

### pH value

12

### Storage/Shelf life

The product must be stored in tightly closed packages. When open package is stored, it must be covered with plastic sheet and then stored in the air-tight package. Shelf life is about 12 months.

## Application

### General Information

It is preferable to apply thin layers and usually one or two layers are enough. However, could be applied in several layers of paint when needed.

### Surface Conditions

LEYCAL® can be applied to freshly plastered surfaces. The cohesion between the paint and the plaster will be even better. LEYCAL® can be used in nearly all kinds of surfaces such as concrete, cementitious plaster, gypsum, lime and all kinds of bricks, either industrial or natural.

### Method of application

- The surface must be clean and free of dust, oil and grease.
- It is preferable to spray the surface with water first before painting, to improve the properties of the paint. This also eases its application specially if applied under the summer sun.
- LEYCAL® can be diluted with a little water before use. The product should be stirred or shaken before use, especially if stored for longer time.
- LEYCAL® is quickly and easily applied by brushes, roller or spray.
- LEYCAL® is hardened by absorbing carbon dioxide from the air and all its properties will be improved when the humidity is higher

### Cleaning

All tools can be easily cleaned with water.

## Safety Instructions

### Safety precautions

LEYCAL® is highly alkaline like cement. Splashes must be washed down with water immediately

### Legal notes

Whilst information and/or specification contained herein is to the best of our knowledge true and accurate, and is based on many years experience, we cannot accept any liability either directly or indirectly arising from the use of our products, whether or not in accordance with any advice, specification or recommendation given by us, as we have no direct or continuous control over how or where our products are applied.

**LEYDE-PRODUCTS** are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale. 01.09.2009