

Colour technology

## SINGLE LAYER COLOUR UNO 4000



- > can be tinted
- > saves work steps
- > very high coverage
- > optimised for highlights



### Product description

High quality abrasion-resistant single layer colour for indoors with high coverage (Class 1) and range (9 m<sup>2</sup>/l).

Water-dilutable, low emission and solvent-free. Already covers with one work step and thus saves work time and costs.

For abrasion-resistant painting of wall and ceiling areas in new builds and in the course of interior renovations. Single layer colour UNO 4000 is also specially suited for highlighted areas due to the matt surface and long open time. For standard mineral substrates such as gypsum, lime cement and cement plasters, gypsum and lime filler, gypsum plasterboards, concrete as well as on load-bearing old dispersion coating and wallpapers. Please refer to the "Substrate" section for the recommended substrate pre-treatment.

#### Delivery format

Container	Outer packaging	Pallet
25 KG / KE	-	24 KE

#### Storage

Can be stored frost-free, cool, and dry on wooden shelves in the unopened original container for 365 days

### Processing

#### Recommended tools

Roller, brush.

Wash the tools with clean water after use.

#### Processing

Murexin Single Layer Colour UNO 4000 can be applied by painting or rolling. Usually one work step is enough.

Murexin Single Layer Colour UNO 4000 can be diluted with water. For optimum coverage it should be applied undiluted, though.

## Technical data

Chemical base	Synthetic resin dispersion
Density	1,6 kg/l
Colour	White; can be tinted in colour group 1. Can also be tinted with waterdilutable spot, base and tinting colours.
Consumption	approx. 150 - 200 ml/m <sup>2</sup> per coat
Dilution	Water; for single layer work use undiluted
Drying time	after approx. 4 - 6 hrs. surface dry and paintable
Wet abrasion class	Class 2
Coverage	Class 1, at 9 m <sup>2</sup> /l coverage
Gloss level	dull matt
Whiteness	77.4 (as per Berger)
Granulation	fine

## Test certificates

Tested in accordance with (standard, classification ...)

ÖNORM EN 13300

## Substrate

### Suitable substrates

Lime cement and cement plasters P Ic; P II; P III

Lime cement and cement plasters P II & P III

Gypsum and ready-mix plasters P IV & PV

Plasterboards and gypsum plasterboards

Concrete, aerated concrete

Exposed masonry

Weight-bearing old coats

The substrate must be dry, frost-free, solid, weight-bearing, dimensionally stable, free of dust, dirt, oil, grease, release agents and loose parts, and it must comply with the applicable technical national and European directives, standards and "generally accepted rules of the trade".

## For a perfect system

### Description

Murexin Deep Primer LF 14 for priming absorbent and sandy mineral substrates such as concrete, gypsum,

lime cement and cement plasters, gypsum and lime fillers, gypsum plasterboards.

Murexin Special Insulating Primer SP 13 for isolating patches and discolourations on absorbent substrates.

## Product and processing instructions

Material information:

51070, SINGLE LAYER COLOUR UNO 4000, valid from: 10.07.2024, Nicole Zeiml, Page 2

## Colour technology

- If processing outside the ideal temperature and/or humidity range the material properties could change markedly.
- Bring the materials to the proper temperature before processing!
- In order to maintain the product properties, do not add any foreign materials!
- Water dosing quantities or dilution information must be strictly adhered to!
- Check tinted products for colour accuracy before application!
- Colour consistency can only be guaranteed within the same batch.
- The colour formation is significantly impacted by the environmental conditions.
- Carefully open the container, remove possible dry parts and shake the product well!
- Water-based systems have only a limited shelf life after dilution with water, which is why quick processing is recommended.
- Always work wet-in-wet to prevent deposits.
- The final wash or abrasion resistance is reached after approx. 28 days.

### Environmental information:

- Do not process at temperatures below +5 °C!
- The ideal temperature range for the material, substrate and air is + 15 °C to + 25 °C.
- The ideal relative humidity range is 40% to 60%.
- Increased air humidity and/or lower temperatures may prolong the drying, setting and hardening time, while lower air humidity and/or higher temperatures will speed it up.
- Ensure adequate ventilation during the drying, reaction and hardening phase; avoid draughts!
- Protect against direct sunlight, wind and weather!
- Protect adjacent components!

### Tips:

- We recommend using a test surface first or a small area for initial, small-scale testing.
- Please heed the product data sheets of all MUREXIN products used in the process.
- Keep a genuine original container of the respective batch for later repair work.
- When using intensive, brilliant and dark colours, we recommend using the colour qualities of wet abrasion class ≤ 2 in at least "satin finish" (gloss level >15/60° MW) and first equalising the substrate in "white".
- In case of side lighting, we recommend using colour qualities of wet abrasion class ≤ 2 in "dull matt" (gloss level <5/85° MW).

The information provided reflects average values that were obtained under laboratory conditions. Due to the use of natural raw materials, the indicated values of individual deliveries may vary slightly without impacting the product suitability.

## Safety instructions

### Limiting and monitoring exposure

#### Personal protective equipment:

#### General protection and hygiene measures:

- Common safety measures for handling chemicals are to be observed.
- Keep away from foodstuffs, beverages and feedstuffs.
- Take off contaminated, impregnated clothing immediately.
- Wash your hands before taking breaks and when finishing work.

Breathing protection: Only when spraying without sufficient extraction.

Hand protection: protective gloves.

#### Glove material

- Use gloves made from stable materials (e.g. nitrile).
- The selection of a suitable glove depends not only on the material, but also on other quality properties, which may vary from manufacturer to manufacturer.

#### Penetration time of the glove material

- The precise penetration time is to be found out from the protective glove manufacturer and complied with.

Eye protection: Protective goggles recommended when decanting.

Body protection: protective clothing.

This leaflet is based on extensive experience, is intended to convey the best of our knowledge, is not legally binding and does neither constitute a contractual legal relationship nor a subsidiary obligation resulting from the bill of sale. The quality of our materials is guaranteed within the framework of our general terms and conditions. Our products may be used by professionals and/or experienced and accordingly technically skilled persons only. Users are not released from inquiring in case of uncertainties or from rendering professional workmanship. We recommend using a test surface first or a small area for initial, small-scale testing. Naturally, it is not possible to describe or foresee all possible current and future uses and peculiarities. Information that is assumed to be familiar to experts has been omitted.

Please observe the current, technical, national and European standards, guidelines and data sheets regarding materials, substrates and the subsequent construction. Please contact us if you have any reservations or doubt.

This version is rendered invalid if a new version is released. The most recent data sheets, safety data sheets and the terms and conditions are available online at [www.murexin.com](http://www.murexin.com).