

Colour technology

## FULL TONE COLOUR VF 4000



- > environmentally friendly
- > abrasion-resistant
- > water-dilutable

### Product description

Water-dilutable abrasion-resistant full-tone colour.

Weather-proof, environmentally-friendly and odourless.

Water-repellent, permeable, colourful.

Dispersion full-tone colours for colourful, weather-proof facades and abrasion-resistant interior coatings, as well as to tint dispersion, facade and interior colours as well as synthetic resin plaster. Perfectly suited to brilliant, colour-constant advertising lettering and painting.

### Delivery format

Container	Outer packaging	Pallet
5 KG / KE	-	85 KE
1 KG / KFL	12	504 KFL

### Storage

Can be stored frost-free, cool, and dry on wooden shelves in the unopened original container for 730 days

### Processing

#### Recommended tools

Roller, brush, airless sprayer.

Wash the tools with clean water after use.

#### Processing

Murexin full-tone colour VF 4000 can be applied by painting, rolling or spraying (also airless).

Usually 1-2 applications are required. Depending on the absorbency of the substrate, the primer can be diluted with 5 - 10% water. The topcoat is to be diluted with max. 5% water. For airless processing, we recommend using a 0.026" nozzle and 150 bar feed pressure.

When shading colours, carry out a sample coating, as strongly-bound colours may become more pronounced when dry. The yellow, red and orange colours contain organic pigments and are only lightfast to a certain extent (especially at low doses) outdoors.

In order to keep the unique property of this product, it may not be mixed with other products. To prevent deposits, always work wet-in-wet in one go.

Full-tone colour VF 4000 can also be applied directly as abrasion-resistant coating. The yellow,

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orange and red colours contain organic pigments and only have a limited natural coverage. That is why with full-tone coatings with these colours, approx. 5 - 10% white dispersion facade colour or interior colour is added to the undercoat.

The type, structure and absorbency of the substrate as well as the environment and light conditions can easily affect the colouring.

Undercoat or intermediate coating: dilute full and shaded colours with max. 10% water Topcoat: dilute full and shaded colours with max. 5% water.

## Technical data

Chemical base	Synthetic resin dispersion
Viscosity	2000 - 3000 mPas
Consumption	approx. 150 - 200 g/m <sup>2</sup> per coat; The consumption depends on the absorbency and the structure of the substrate, the precise consumption is to be determined using a test area.
Dilution	Water, if required
Drying time	after approx. 4 - 6 hrs. surface dry after approx. 24 hrs. rainproof at 20 °C and 55% relative air humidity
Flashpoint	incombustible
Gloss level	matt
Pigment-based	lightfast coloured pigments

## Substrate

### Suitable substrates

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".

## Product and processing instructions

### Material information:

- 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.

### 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.

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- 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.

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.
- Filter P2.

Hand protection:

- Protective gloves or skin protection cream.
- Protective gloves.

Glove material

- Use gloves made from stable materials (e.g. nitrile).

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.

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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.

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