

AURO

Technical Data Sheet

AURO Lime-Casein Multicoloured Paints No. 770

Material type / intended use

Glazing, full tone and tone-down paints based on lime-casein binder for indoor applications. The powder products as delivered must be stirred into water to give ready-to-use paints for glaze and decorative covering paint coatings on mineral and organic substrates. Also suitable for alkaline substrates. As tone-down paint for AURO Lime-Casein Wall Paint No.751 or AURO Limewash paint No. 326.

Ingredients

Titanium white, earth and mineral pigments, slaked lime, borate, milk-casein. Our full declaration is decisive.

Colour hue

At present available colour hues:

Ochre yellow: No. 770-10 English red: No. 770-32 Ultramarine: No. 770-50
Chromium oxid green: No. 770-60 Mineral white: No. 770-90* Earth black: No. 770-99

*No. 770-90 glazing in application. For covering paint coatings use AURO Lime-Casein Wall Paint No. 751.

Application method / processing time

Painting, rolling.

Preparation: Mixing ratio: 1 part by weight of powder to 1 part water. Add the powder to the water in one lot and stir until free from lumps (about 5 minutes). Leave standing for 15 minutes to mature, then stir well again.

Processing as glaze or full-tone paint: AURO Lime-Casein Multicoloured Paints No. 770 must be applied in thin layers; it is essential to avoid application of more than 50g powder/m². It is necessary to thin the preparation depending on the desired coverage and the absorption capacity of the substrate. To avoid tendency to sediment and increase viscosity (e.g. when applying overhead), use AURO Wallpaper Paste No. 389. Thinning down to about 10:1 ratio is possible for glaze coatings.

Processing as tone-down paint: Tone down the basic product with the paint prepared in 1:1 ratio.

Processing time: The preparation must be used within 10 hours. Do not prepare more than can be processed during this time. Use of preparations older than 10 hours impairs the durability of the paint coating. Stir regularly while processing.

Drying time under normal climatic conditions

Surface-dry and ready for next coating after about 5 hours. Thoroughly dried after about 24 hours. These drying times are valid under normal climatic conditions (20°C, 65% relative humidity). Considerably longer drying times are encountered under conditions of high relative humidity and low temperatures.

Bulking density	Approx. 0,5 - 0,8 g/cm ³ , depending on colour hue.
Viscosity	In processing state depending on amount of water added. Can be adjusted with No. 389.
Thinner	Water, AURO Wallpaper Paste No. 389 (make up 1:100 - 1:200, depending on processing viscosity).
Consumption rate	Depends on desired coverage and/or colour intensity < 10 - 50 g/m ² .
Cleaning instructions	Remove paint spots immediately with water. Clean working utensils with water before dry-out.
Storage	Store in a cool dry place. Partly used packages should be closed again tightly. Shelf life about 2 years in unopened original package.
Packaging material	PE bag.
Disposal	Let paint residues dry-out and then dispose of with household garbage, or take-over for composting. Do not put into sewage water, in spite of biological decomposition capability.
Hazard class	Not applicable.

Notes and safety advice

- Processing temperature at least 8°C.
- Use only clean water for making-up. Traces of heavy metals (e.g. from corroded water pipes) may produce discoloration. If necessary let tapwater run for a considerable time. Use only corrosion-resistant tools and containers.
- Keep out of reach of children.
- The product reacts alkaline, similar to lime or cement mortar, due the white slaked lime which it contains. With glaze paint coatings this naturally affects the colour hue of the paint coating, so it is essential to make preliminary tests.
- Avoid inhaling the dust and contact with the skin and eyes.
- In the case of skin contact, wash-off with water. In the case of eye contact, rinse with plenty of water and call a doctor.

AURO No. 770

Technical application recommendations

AURO Lime-Casein Multicolour Paints No. 770

1. PROCESSING AS FULL-TONE PAINT

1.1 Suitable substrates: Plaster surfaces, gypsum boards, wood chip, timber, timber materials, brickwork, concrete.

1.2 General requirements for substrates: The substrate must be dry, firm, flat, clean, grease-free and without paint-penetrating substances. It must be adequately resistant to water. If necessary, carry out preliminary tests.

1.3 First paint coating

1.3.1 Substrate preparation: - Not necessary for wood chip, timber and timber materials. If necessary, clean, grind and remove dust.

- For plaster, brickwork and concrete, remove loosely seated parts, if necessary fill holes and cracks with AURO Natural Wall and Jointing Filler No. 329.

1.3.2 Basic treatment: - Strongly or non-uniformly absorbent substrates should be primed with diluted AURO Lime-Casein Multicolour Paint No. 770.

- Depending on the substrate consistency, up to 50% water may have to be added to the paint made-up to specification. Do not exceed the specified maximum amounts per square metre.

- Alternatively priming is also possible with AURO Casein Primer No. 721, with thinned AURO Lime-Casein Wall Paint No. 751 or AURO Limewash paint No. 326.

1.3.3 Intermediate treatment: - Apply AURO Lime-Casein Multicolour Paint made-up according to the instructions, with a paintbrush or roller as a thin uniform layer.

- Depending on the substrate consistency, the paint made-up according to the instructions may have to be thinned with up to 30% water. Do not exceed the maximum amounts per square metre.

1.3.4 Final treatment: Same as described under 1.3.3. The final treatment is not necessary if the desired painting result has already been achieved by the intermediate treatment.

1.4 Redecoration paint coatings

It is essential to make preliminary tests on old paint coatings, to avoid interaction with the substrate.

1.4.1 Substrate type: Firmly adhering old paint coatings with synthetic resin or natural dispersion paints

1.4.1.1 Substrate preparation: Sweep-down or vacuum clean wall surfaces. Wash-down if severely contaminated with dirt. Remove small quantities of loose old paint and touch-up. Rebond open wallpaper joints, allow time to dry thoroughly.

1.4.1.2 Basic treatment: No basic treatment is necessary when the old paint coating is intact.

1.4.1.3 Intermediate treatment / final treatment

Same as described under 1.3.3 / same as described under 1.3.4.

1.4.2 Substrate type: Non-washable distempers and lime paint coatings or poorly adhering, flaking old paint coatings with synthetic resin or natural dispersion paints

1.4.2.1 Substrate preparation: Remove distemper coatings thoroughly and completely. Mechanically remove poorly adhering and flaking lime and dispersion paint coatings completely. Fill-out holes and cracks with AURO Natural Wall and Jointing Filler No 329.

1.4.2.2 Basic treatment / intermediate treatment / final treatment

As described under 1.3.2 / as described under 1.3.3 / as described under 1.3.4.

2. PROCESSING AS TONE-DOWN PAINT

2.1 Suitable basic product: AURO Lime-Casein Wall Paint No. 751 or AURO Limewash paint No. 326.

2.2 Mix-down with the basic product: First of all make preliminary tests with small quantities to determine suitable mixing ratios, then make a test paint coating and let it dry to assess the colour hue exactly. Add AURO Lime-Casein Multicolour Paint made-up according to the instructions, to the basic product in successive portions with vigorous stirring, until the desired colour hue is obtained.

2.3 Recommended added quantity: AURO Lime-Casein Multicolour Paints can be mixed mutually and with AURO Lime-Casein Wall Paint in any ratio.

2.4 Processing instructions: See Technical Data Sheet AURO Lime-Casein Wall Paint No. 751 and AURO Limewash paint No. 326.

3. GLAZE PAINT COATINGS

3.1 Suitable substrates: All white substrates treated with AURO Lime-Casein Wall Paint No.751 and AURO Limewash paint No. 326; timber, timber materials.

3.1.1 General requirements for substrates: The substrate must be dry, firm, flat, clean, grease-free and without paint-penetrating substances. The substrate must be adequately water-resistant; make preliminary tests if necessary. Timber and timber materials should be without previous treatment.

3.2 Substrate type: Surfaces treated with AURO Lime-Casein Wall Paint.

3.2.1 First paint coating: - Adjust AURO Lime-Casein Multicolour Paints made-up according to the instructions, with water or preferably with thinned AURO Wallpaper Paste No. 389, to give the desired colour intensity.

- For adjusting colour hue, colour intensity and viscosity, make preliminary tests on similarly pre-treated surfaces.

- Apply quickly with long-hair natural bristle area-spreader or natural sponge.

3.2.2 Redecoration paint coating: Intact glaze coatings can be overcoated with AURO Lime-Casein Wall Paint No. 751, AURO Lime-Casein Multicolour Paints or AURO Limewash paint No. 326. For other substrates, see the Technical Information Leaflet for AURO Lime-Casein Wall Paint No.751 and AURO Limewash paint No. 326.

3.3 Substrate: Timber and timber materials, indoors

3.3.1 Substrate preparation: - Round-off edges, grind finely and thoroughly remove dust.

- For high-quality surfaces, first of all wet with a sponge, leave to dry, grind finely, brush-out the pores in the grain direction and again thoroughly remove dust.

- Wash-out rich-ingredient or strongly resinous timbers with AURO Vegetable Alcohol Thinner No. 219.

3.3.2 Basic treatment: - Adjust AURO Lime-Casein Multicolour Paint made-up according to the instructions, with water or preferably with thinned AURO Wallpaper Paste No. 389, to give the desired colour intensity.

- Make preliminary tests on similar sample pieces for adjusting the colour hue, colour intensity and viscosity.

- Apply with a paintbrush or foam plastic roller uniformly in a thin layer. Leave to dry completely. It may be necessary to grind slightly before the next treatment.

3.3.3 Follow-up treatment: - Same as described under 3.3.2. Follow-up treatment is not required if the desired painting result is already achieved with the basic treatment.

The information in this technical data sheet is the result of many years of research and practical tests. This information is only for guidance and advice and does not release the purchaser and processing persons from testing the products themselves with regard to their suitability for the intended applications. This information is therefore given without implying any obligation. This data sheet becomes non-valid when a new edition is issued.

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