AURO
NATURAL PAINTS

Technical data sheet

AURO Wall paints

Wall paint, white No. 320
Wall paint No. 321
Professional paint No. 322

Type of coating material
Natural resin dispersion wall paints, white, for interiors.

Application
Paints for application on all neutral, mineral and organic bases (e.g. plaster, woodchip wallpaper, gypsum plaster boards and the like).

Technical properties
- Consistent selection of ecologically friendly raw materials
- Free of chemical preservatives
- Open pore (sd-value < 0.1 m)
- Minimal inclination to dripping and spatter
- No. 320: With a slight filling characteristic
  Details in conformity with DIN EN 13300 (depending on coating rate and method)

Whiteness (Lightness value)	Covering power (Contrast ratio)	Gloss level (85° measuring angle)	When applied	Yield	Abrasion
320: 96	Class 3	matt	0,12 l/m²	8 m²	Class 3 (= washable acc. to DIN 53778)
321: 96	Class 2	matt	0,11 l/m²	9 m²	Class 3 (= washable acc. to DIN 53778)
322: 97	Class 2	matt	0,10 l/m²	10 m²	Class 2 (= washable acc. to DIN 53778)

Composition
Water, mineral pigments, mineral fillers, castor oil-stand oil, dammar, linseed oil stand oil, orange oil, cellulose ether, alcohol, borates, surfactants made of rape-seed-, castor oil, sugar surfactants, lecithin. Natural paints are not odour and emission free. Consider possible allergies. The declaration of ingredients in our website www.auro.de is definitive.

Shades
White, can be tinted with AURO Full-shade tinting colour No. 330*. See also mixing examples in our colour chart blocks.

Coating methods
Brushing, rolling or airless spraying:

Spraying pressure	*100 - 120 bar*
Air pressure	*3-4 bar*
Spraying nozzle	*flat jet 5/18*

Drying time in a normal climate (23 °C / 50% rel. humidity)
- Dry for overcoating with wall paint: after approx.12 hours; can be overcoated with glaze systems after approx. 5 days.
- Washable acc. to DIN/EN: achieved after approx. 4 weeks.
- High humidity levels and low temperatures lengthen these times.
- Drying by the absorption of oxygen is associated with a product-typical smell. Consequently, adequately tempered ventilation is necessary during the drying period.

Density	No. 320 approx.1,43; No. 321 approx.1,35; No. 322 approx.1,30 g/cm³	Danger Class: not applicable
Viscosity	Thixotrope.	
Thinner	Ready for application; can be thinned with max. 20 % water.	
Application rate	Approx. 0.10 to 0.14 ltr./m² per coat, depending on the base, manner of application and surface quality. Test coating is recommended to establish the exact application rate.	
Tool cleaning	Carefully press them out immediately after use and wash thoroughly in water to which AURO Plant Soap No. 411* has been added.	
Storage	Keep out of reach of children. Cool, frost-free and dry. Store in the tightly closed container.	
Shelf life	In the original tightly closed container at 18 °C: 12 months. The products are not chemically preserved. Consequently, opened containers must be used as quickly as possible. Cover the surface with AURO Thinner No. 191* for a limited storage period.	
Packaging material	Polypropylene, metal strap	
Disposal of liquid residues	EAK-Code 080112 or 200128, EAK designation: Paints. Only completely emptied containers with dried product residues can be returned for recycling. Only dried product residues as fully hardened paints can be disposed of as domestic waste.	
WARNING	**Observe the customary protective measures. Ensure adequate skin protect and ventilation during application. Rinse thoroughly with plenty of water in the event of contact with the skin and eyes and consult a doctor. BAG T No.: No. 320: 82476; No. 321: 81771; No. 322: 85058. Product code: M-DF 04 Natural Resin Paints. For further details see Safety data sheet and Technical data sheet*.**	

Application-technical recommendations
AURO Wall Paints No. 320, No. 321 and No. 322

1. BASE

1.1 Appropriate bases

- Plaster, gypsum plaster board, woodchip wallpaper.
- Conduct application test to establish compatibility before application on glass-fibre fabric, textile and structured wall coverings.
- The base must be clean, be able to support the paint and be free of separating or staining substances.

2. COAT COMPOSITION (FIRST COAT)

2.1. Kind of base: mineral bases such as plaster, concrete, lime sand bricks

2.1.1 Base preparation: Brush off loose particles. Check base for neutrality. Remove sinter skin by grinding. Wash off releasing agents. Repair faults in conformity with the given base.

2.1.2 Base treatment

- Intact bases can be primed with AURO Wall paints and, depending on the kind of base, diluted with max. 20% water.
- If necessary, for instance with intensely or varyingly absorbent surface, prime with AURO Plaster primer No. 301* diluted with water in a 1:1 ratio.
- Before priming fill holes and cracks with AURO Wall filler No. 329* and sand smooth.

2.1.3 Intermediate treatment

- Apply uniformly with a brush, roller or spraygun (airless).
- AURO Wall Paints are ready for application. They can be thinned with max. 10% water, depending on the kind of base and manner of application.
- AURO Wall Paints can be tinted with AURO Full-shade tinting colour No. 330* for coloured decoration. Works supplied shades should be used for stronger shades. Conduct tests to establish the colour effect and the application appearance.

2.1.4 Final treatment

- Proceed as described in 2.1.3; add up to max. 5% water if necessary. Final treatment is not necessary if intermediate treatment produces the desired result.

2.2 Kind of base: gypsum plasterboard, woodchip wallpaper.

2.2.1 Base preparation

- Not necessary for woodchip wallpaper. If necessary gypsum plaster boards should be cleaned and sanded, and all dust removed.

2.2.2 Base treatment

- Base treatment is not required with woodchip wallpaper.
- The manufacturer stipulates priming in connection with gypsum plasterboards; please observe the manufacturer's instructions in this context. If necessary, prime the base as described in 2.1.2.

2.2.3 Intermediate treatment: proceed as described in 2.1.3.

2.2.4 Final treatment: proceed as described in 2.1.4.

3. COAT COMPOSITION FOR RENOVATION COATING

3.1 Kind of base: Intact surface (maintenance)

3.1.1 Base preparation

- Clean firmly adhering old coats with brush or vacuum cleaner. Wash off all dirt.
- Carefully reseal wallpaper seams; remove paste residues; allow to dry thoroughly.
- Remove old plastic dispersion coats (e.g. Latex paint).

3.1.2 Base treatment: Not required with an intact old coat.

3.1.3 Intermediate treatment: Not required with an intact old coat.

- Intermediate treatment, as described in 2.1.3, is recommended with intensely coloured or contrasting bases, but only add max. 5% water.

3.1.4 Final treatment: proceed as described in 2.1.4.

3.2 Kind of base: Severely worn or damaged surfaces (maintenance).

3.2.1 Base preparation

- Remove size-colour coats or poorly adhering or peeling old coats and wash thoroughly.
- Floury and sanding substances must be removed by brushing.
- Fill holes and cracks with AURO Wall filler No. 329* and smooth by sanding.
- Remove all dirt and contaminations (e.g. releasing agents) with a grease-dissolving cleaner, e.g. Paint and stain cleaner No. 435*.

3.2.2 Base treatment

- If necessary, e.g. with intensely or irregularly absorbent surfaces, proceed as described in 2.1.2.

3.2.3 Intermediate treatment: Proceed as described in 2.1.3, but only add max. 5% water.

3.2.4 Final treatment: Proceed as described in 2.1.4.

4. FOLLOW-ON TREATMENTS

Decorative follow-on treatment is possible with AURO Colour wash plant glazes No. 360*, Wall glaze waxes No. 370* or Colour wash binder No. 379* with the addition of pigments.

General remarks

- Check the base for suitability and compatibility prior to product application.
- Avoid direct exposure to sunlight, moisture influences and dirt while the coat is drying.
- Mix products with different batch numbers prior to application to offset batch-induced differences.
- Process temperature at least 10 °C, max. 30 °C, max. 85% rel. humidity, optimal 20-23 °C, 40-65% rel. humidity.
- Stir thoroughly prior to application.
- The customary moisture for the given base must not be exceeded.
- Stains and spatter must be immediately removed with water or soap lye.
- Leave new plaster untreated for at least 6 weeks, and lime-stock brick walls for at least 6 month; neutralise if necessary.
- Slightly cloudy surfaces can form, depending on the given object conditions (e.g. large surfaces exposed to intense light). Consequently, avoid partial drying and work speedily wet-on-wet.
- Check and maintain the surfaces regularly for optimal, permanent protection and immediately repair damaged areas.
- Observe the state of the art for planning and coating. All coating work must be adapted to the given object and its use.

AURO Pflanzenchemie AG • P.O.Box 12 38 • D-38002 Braunschweig • Phone +49 531 281 41-0 • www.auro.de