

# Artex isodry



## TECHNICAL DATA SHEET

### Description of the product

**ARTEX ISODRY** is a water-based building paint of special technology, with **anti-condensation** action for interior masonry. Thanks to the **microscopic glass beads** it contains, it forms a film with low thermal conductivity, compared to common plastic paints, on the surfaces it is applied to. In this way, **it limits heat transfer** if it is a wall that is cooled externally, thus preventing the condensation of water vapor of the room on its surface and, by extension, the formation of mold. It has **great resistance to washing-scrubbing**.

It is ideal for rooms with high relative humidity (bathrooms, kitchens), and generally spaces that are not sufficiently ventilated, especially for walls with a large difference in their external temperature (e.g. north-facing), on which condensation of water vapor and subsequent mold growth can be observed in parts of them.

### Recommended uses

It is applied to interior walls and ceilings - on plastered surfaces, plasterboard, as well as on walls already painted with emulsion paint. Possibility of application, after appropriate preparation, also on wooden surfaces.

### Technical characteristics

<b>Resin:</b> Dispersion based on styrene-acrylic copolymer	
<b>Density (white):</b> 1.23±0.05 gr/ml	(EN ISO 2811-1)
<b>Production Viscosity:</b> 110±5 KU	(ASTM D 562, 25°C)
<b>Storage Viscosity:</b> 115±15 KU	(ASTM D 562, 25°C)
<b>Solids b.w.(white):</b> 59±2%	(EN ISO 3251)
<b>Solids b.v.(white):</b> 49.5±3%	(ISO 3233-3)
<b>pH:</b> 8.9±0.5	(ISO 976)
<b>Minimum Film Forming Temperature:</b> 5°C	(ASTM D 2354)
<b>Freeze-thaw stability(-10°C):</b> OK	(ELOT 777)
<b>Odor:</b> Almost odorless	

**VOC (Volatile Organic Compounds): ARTEX ISODRY** belongs to the category A/a WB (interior matt walls and ceilings). EU Limit Value: 30 g/l. The ready to use product contains max. 13 g/l.

### Shades

Available in white and in thousands of light shades via the tinting system **CHROMASYSTEM**.

### Properties

<b>Hiding power for SR 20 m<sup>2</sup>/Lt:</b> CR: 89±1.0%	(ISO 6504-3)
<b>Spreading rate for complete hiding (CR 0.98):</b> 7.0±1.0 m <sup>2</sup> /Lt	(ISO 6504-3)
<b>Whiteness index:</b> ≥ 85	(ASTM E 313)
<b>Yellowing index:</b> ≤ 1.5	(ASTM E 313)
<b>Wet scrub resistance:</b> <20µm, Class 2	(EN ISO 11998, EN 13300)
<b>Gloss 85°:</b> 3±1, Matt	(EN ISO 2813, EN 13300)
<b>Adhesion (Pull Off, cement board - primer: PRIMEX A-300 /PRIMEX MICRO):</b> ≥ 3 Nt/mm <sup>2</sup>	(EN ISO 1519)
<b>Thermal conductivity coefficient, λ (23°C):</b> 0.134 W/m.°K	(ISO 8301)
<b>Resistance to water vapor condensation:</b> OK	(INTERNAL TEST)

### Spreading rate

**Dry film thickness per coat:** 30±2.5 µm **Recommended total dry film thickness:** 100±10 µm.  
**Spreading rate per coat:** 14±2 m<sup>2</sup>/Lt (with roller on vertical surface).

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### Application instructions

The surfaces are cleaned of dust, grease, loose old paint. New unpainted surfaces are primed with the ecological acrylic water-based primer **PRIMEX A-300** or with the silicone acrylic micronized water-based primer **PRIMEX MICRO**. On plasterboard surfaces, **PRIMEX ONE** is applied. On dirty or distemper surfaces, **MONOX AQUA** is applied first so as to isolate stains and stabilize the surface. Small imperfections (e.g. nail holes) are filled with **PROPLASTEX** and primed locally before applying the paint. On wood, **VELATURA AQUA** or **AQUAVEL** is applied first. Attention, if there is mold on the surface, it must be carefully removed with a suitable product (e.g. chlorine solution).

**ARTEX ISODRY** is applied in 2 coats.

**Application method:** Brush, roller, airless spray.

**Diluent:** Water. **Thinning:** Unthinned, or if required, up to 5% vol..

Tools are cleaned immediately after the application with soap and water.

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### Drying time

**Dry through(white):** 25±5 minutes (ASTM D1640, 23°C & 50% RH).

**Recoating time (white):** 2±1 hours (depending on color shade) (ASTM D1640, 23°C & 50% RH).

Drying and recoating time may be prolonged under conditions of low temperature and high relative humidity.

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### Packaging

0.9 Lt, 3 Lt and 9 Lt.

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### Storage

3 years, provided the cans remain closed and in normal storing conditions. After use, the remaining undiluted product may be preserved if the can is sealed and stored in a dry room with temperatures 5-30°C.

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### Health and safety

Please refer to the labeling mentioned on the can. In case more information is needed refer to the Material Safety Data Sheet.

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### Notes

- It is recommended that coated surfaces will not be washed before 20-30 days after painting.
- On fresh concrete surfaces it is recommended to apply the product at least after 30-40 days.
- **ARTEX ISODRY** is applied and allowed to dry at a temperature of 5°C to 35°C and a relative humidity of less than 65%.
- In case of repainting the product with common plastic/acrylic paints, the product loses some of its properties.
- The measurement of the thermal conductivity coefficient was done by the Paint Research Association which is located in Great Britain.

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