



Anti-Condensation Coating

Technical sheet

Aqueous, solvent-free Anti-Condensation Coating for the regulation of indoor air humidity and to prevent mold

Fields of application:

Anti-Condensation Coating is suitable

- to prevent the growth of mold
- for the absorption of excess humidity in indoor air
- for the prevention of condensate
- for the creation of a comfortable indoor climate
- for all common surfaces
 - mineral surfaces like plaster, concrete, pore concrete, masonry and calcium silicate
 - primed metal surfaces
 - like adherent and sustainable coatings like mineral, dispersion and alkyd coatings

System components:

- Anti-Condensation Coating
- Primer (for high absorbing surfaces)
- SUS (for the disinfection of mold)

Properties:

Anti-Condensation Coating

- is an aqueous, solvent-free acrylic dispersion
- plasticiser-free
- non-saponifiable
- high opacity
- allows high water damp diffusion
- prevents the formation of condensate (physical principle by means of a structure of micro pores)
- suitable for painting and spray painting
- can be textured (like woodchip wallpaper)
- emissions examination by the Bremer Umweltinstitut (Institute for the analysis of pollutants and expertise)
- physically approved by the Bremen Institute for Materials Testing (MPA)

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Technical data:

Material	Aqueous, solvent-free acrylic coating with mixed polymers
Pigment base	Titanium oxide
Colour	Natural white
Bulk density	1.6 kg/dm ³
Viscosity	high viscosity
Dilutibility	dilutable with water

Processing directions:

It is recommended to perform a precise analysis of the damage before rebuilding (e. g. humidity analysis). Please follow the instructions in the technical leaflets of the system components.

Pre-treatment of the surface:

The mineral surface must be clean, adherent and sustainable, free of residuals (acid salts, bitumen, coatings, oil and the like) as well as mold. Contaminated materials (e. g. gypsum containing materials or wallpapers) must be removed to rule. High absorbing surfaces should be moistened. The required disinfection is made with SUS. With surfaces containing gypsum it is necessary to use SUS.

1. Mold-infested wallpapers must be treated with SUS by spraying or brushing. Then remove and dispose wallpapers. If the surface is only slightly harmed, continue directly with step 4.
2. Apply SUS by spraying or brushing, 100-150 ml/m² depending on the surface. Apply it with a minimum radius of 50 cm beyond the infested spots. Application time should be 20-60 Minutes depending on the grade of infestation.
3. Remove disinfected mold mechanically (with a scraper) or with a vacuum cleaner (H-classified in accordance to DIN EN 60335-2-69 appendix AA and E DIN IEC 61 J/94/CD or HEPA filtered).
4. Apply again approx. 150 ml/m² SUS and do not remove it.
5. High absorbing surfaces should be treated with approx. 200 ml/m² Primer applied with a paint roller or by brushing or spraying. Approx. 60 minutes drying time.

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Processing:

1. Do not process under +5°C, in direct sunlight or frost.
2. Anti-Condensation Coating is ready to use. Before use, stir it at low speed at least 2-3 minutes, to decrease viscosity and to achieve an optimal processing texture. Depending on the mode of application, the viscosity can be reduced with water (max. 10 %). Items with different batch numbers should be processed separately or mixed. See batch number on the label.
3. The coating can be shaded with dispersed paint (water-soluble) up to 10 %.
4. Apply Anti-Condensation Coating with a sheep skin paint roller, a brush, a paintbrush or by spraying. To achieve maximum functionality normally apply twice approx. 0.16 - 0.25 lb per ft². Drying time of each layer is approx. 60 minutes. The wet coating can be textured to achieve an individual surface.
5. Depending on temperature, air velocity and humidity the Anti-Condensation Coating dries within 24 hours. The complete cure can take up to several days.
Anti-Condensation Coating evaporates water during cure – ventilate the room.

Cleaning the tools:

Clean immediately after use with water.

Maintenance of industrial health and safety standards:

Please regard general and hygienic regulations issued by local professional associations. Avoid skin contact; wear gloves. Wear eye protection when spraying! In case of contact with the eyes, bathe eyes with water if necessary seek medical advice.

Material Safety Data Sheet:

We provide the Material Safety Data Sheet on demand.

Storage:

Close well and store frost-free but in cool place. In original packing cool, frost-free and vertical storable for at least 12 months.

Packing units:

11 lb bucket

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