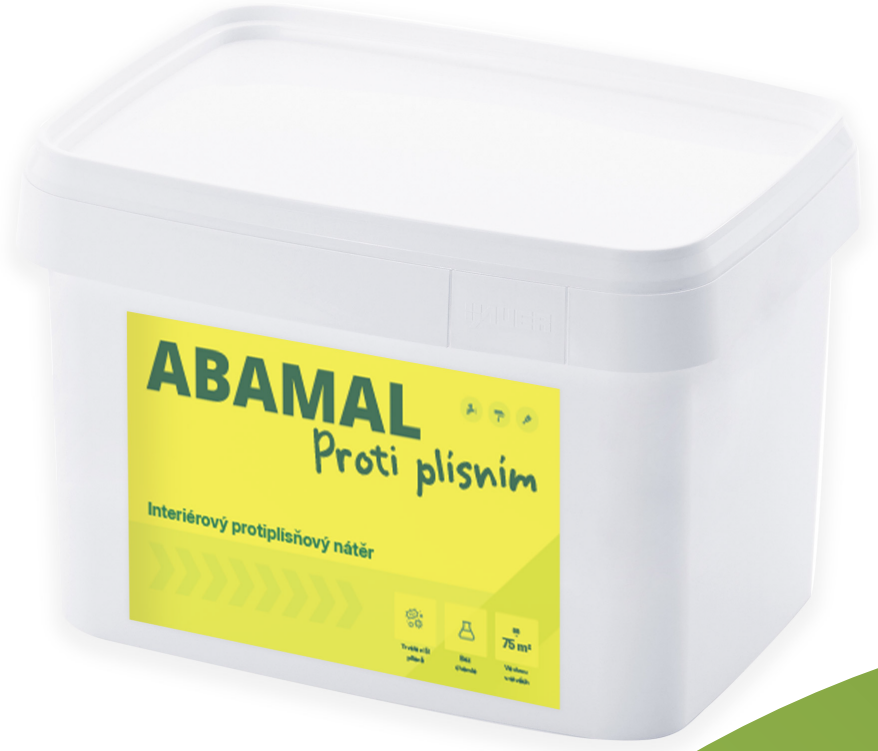
Technical and material sheet

ABAMAL ANTI-MOLD

ABAMAL Anti-mold is a unique interior thermal insulation coating with anti-mold properties. It keeps heat inside, eliminates thermal bridges, and effectively prevents mold growth. This special coating is filled with microspheres and is designed for interior walls of residential houses, apartments, and recreational facilities. Thanks to its ability to reflect thermal energy back into the room, it keeps walls warm to the touch, preventing condensation of air moisture – the main cause of mold growth. It is ideal for use in areas where moisture repeatedly forms on masonry. For maximum effectiveness, we recommend combining it with our fungicidal primer. ABAMAL Anti-Mold was developed specifically to protect surfaces such as mineral plasters, drywall, and similar materials. Mold caused by moisture can pose serious health risks, including allergies and asthma. Mold spores spread freely through the air and threaten the health of residents. Thanks to its bacteriostatic properties, ABAMAL Anti-Mold also actively prevents bacteria and viruses from settling on the treated surface, creating a healthier indoor environment.



Downloads

Batch number: label

Date of manufacture: label

Last revision: 11/15/2023

Version: For home use

Expiration date: 12 months from the date of manufacture in the original unopened packaging

2,5 L

5 L

18 L

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ABAMAL ***ANTI-MOLD***

ABAMAL Anti-Mold is an interior coating that insulates walls from the inside, interrupts thermal bridges, and effectively prevents mold growth.

Technical properties

Color: White in the basic version, tinting is possible with tinting pigments. Can be tinted to NCS on tinting machines using ALPHA coloring systems.

Coverage: Coverage is approximately 4-6 m^2 per 0.5 liters of paint in two coats. Coverage may vary depending on the absorbency and structure of the substrate, application technique, thickness of the applied coat, and other factors. The exact coverage for a specific substrate must be determined on a test area at the application site.

Application temperature: The temperature of the coating, the environment, and the substrate must be between +5 and +35 °C during application and for 24 hours after application, ideally between +10 and +25 °C.

Storage: Store in a dry, cool, frost-free place in the original sealed packaging for 24 months at temperatures between +5 °C and +35 °C. Once the bucket has been opened, use the contents within 14 days. Do not expose to direct sunlight. Opened and unused paint (if not diluted with water) can be stored in a well-sealed container for possible repairs for a period of 6 months with as little air space as possible.

Packaging: 2.5, 5, and 18 liters in PP buckets.

Application information

Tools: Paint rollers, brush, small area brush, large area application by AIRLESS spraying. Drill with mixer or special mixer with speed control.

Recommended dilution: The coating can be diluted. Caution: excessive dilution reduces the coverage and may impair the parameters of the coating. Dilute with drinking water

18-liter package – add 0.7 liters of clean water or a maximum of 1 liter of tinting pigment.

5-liter package – add 150 milliliters of clean water or a maximum of 0.2 liters of tinting pigment.

2.5 liter package – add 50 milliliters of clean water or a maximum of 0.1 liters of tinting pigment.

If you are tinting the coating material, do not add water. The maximum amount of tinting pigment is 5% of the total weight of the package.

Mixing: Before use, ABAMAL Anti-Mold must be thoroughly mixed with a cordless mixer (stirrer) to a homogeneous (uniform) consistency, or diluted with clean water as recommended. When mixing, stir the paint lightly, add water as recommended, and mix the entire contents thoroughly. Please note that excessive dilution of the paint reduces its coverage and impairs the parameters of the coating. Once the container has been opened, it is advisable to use the paint as soon as possible. The entire surface must be painted using paint from a single production batch. Remove any dried paint (not hard) from the lid of the container and mix the paint thoroughly. When handling or mixing, take care to prevent excessive air from entering the paint.

Note: After prolonged storage and opening of the bucket, the coating may appear to be a hard, dry substance that can no longer be used for coating. This is because during storage, some components (microspheres) have risen to the top and the dispersion (liquid part) has settled to the bottom. However, you can stir the coating material into a consistent mass – thick Greek yogurt. If there is dried, hard coating material on the lid, do not scrape it into the rest of the bucket, otherwise you will have lumps in the coating material and it will be necessary to strain it through a sieve.

Drying

The coating is dry to the touch after approx. 30 minutes. The next coat can be applied after 3–6 hours (data applies to one coat of standard thickness under standard conditions (T = 20°C; relative humidity 60%)). Under standard conditions, freshly painted surfaces are resistant to damage (washing off of the paint layer) after 24 hours at the latest. Lower temperatures or higher humidity may prolong the drying time.

Touch dry	30 minutes
Recoatable	3 - 6 hours (WFT 240 µm, t = 20 °C, relative humidity 60% vol.)
Fully dry and functional	24 hours

Cleaning tools and after application: Protect all tools from drying out during work breaks and wash with water after use. Wash contaminated areas immediately with water, as dried paint is difficult to remove. Protect all tools from drying out during work breaks.

Surface protection: If areas that are not to be coated become contaminated, wash them immediately with water, as dried paint is difficult to remove. Ensure thorough ventilation during application and drying.

Density	0,54 g/cm³
Appearance	White, whiteness 96 %
Gloss	Matt
Odor	Typical for acrylic paints
Shelf life	12 months, must not freeze
Safety instructions	Read the Technical and Safety Data Sheet

Do not apply the coating if: Relative humidity is higher than 80%. The moisture content of the substrate is more than 4%, concrete more than 2.5%

Procedure and application

Substrate and substrate preparation: The substrate must be dry, cohesive, free of impurities and active biological infestation (mold, algae), non-saline, non-greasy, chemically stable, and mature. The substrate must be solid, dry, free of cracks, dust, and flaking parts. Newly applied base coats must have a regular texture and be sufficiently mature (this applies in particular to new and repaired mineral, roughcast and stucco plasters, minimum 4 weeks). The substrate must have the same absorbency and texture across the entire surface. Thin-layer plasters are also suitable substrates. The substrate must be sufficiently even, as the coating material will simply copy any unevenness and imperfections. When repainting textured plasters, this may very slightly affect the texture of the plaster. For new plasters, it is necessary to remove loose grains of sand (by sanding or sweeping).

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Removing mold: Never remove mold when dry. Mechanical removal of mold causes mold spores to fly around, which you then inhale. Wipe the mold-infested area and its surroundings with a damp cloth and detergent. Do not use any chemical agents! If the plaster is unstable, scrape the surface with a spatula. We recommend wearing gloves and a respirator when removing mold. Once dry, you can apply ABAMAL Anti-Mold.

Procedure and application: Apply ABAMAL Fungicidal Penetration, diluted in a ratio of 1:3, to the prepared surface. Depending on climatic conditions, but at least 12 hours after applying the penetrating coat, apply 2 coats of ABAMAL Anti-Mold interior paint over the entire surface, depending on the type and condition of the substrate, with a 3-6 hour break between coats. The previous coat of paint must be completely dry.

After opening the bucket, thoroughly mix the entire contents with a mixer (AKU with a screw, etc., mixer, 150 rpm) immediately before application and dilute with water or tinting paste – see "Recommended dilution".

When applying individual coats, allow a minimum of 3-6 hours between coats. ABAMAL Anti-Mold paint has lower covering power and brightly colored substrates may show through, so we recommend priming brightly colored substrates with ALPHA COLOR paint.

The coating can be tinted. We recommend tinting with ALPHA tinting equipment. If you are tinting yourself, always choose water-soluble pigments – pastes. The final color shade can be significantly affected by the condition of the substrate, temperature, and humidity conditions. Apply the pigment directly to the paint and mix the entire paint evenly and thoroughly. See "Recommended dilution."

Apply the prepared ABAMAL Anti-Mold coating in three layers. Where there is a large thermal bridge and the area is significantly cold to the touch, feel free to apply more layers. Apply with a roller, brush, or spray equipment. The previous coat must be completely dry. Coating should be carried out at ideal temperatures between +5°C and +35°C. Do not coat in high humidity environments or on damp substrates. During application, we recommend stirring ABAMAL occasionally (every 30 minutes, depending on the temperature of the application environment). Contaminated areas, tools, and work equipment must be washed before the coating dries. Apply evenly and without interruption.

The coating is dry to the touch after approx. 30 minutes. The next coat can be applied after 3–6 hours (data applies to one coat of standard thickness (approx. 150 microns) and standard conditions (T = 20°C; relative humidity 60%)). Under standard conditions, freshly painted surfaces are resistant to damage (washing off of the paint layer) after 24 hours at the latest. Lower temperatures or higher humidity may prolong the drying time.

Application recommendations and manufacturer's TIP: The total layer must be at least 300 microns to ensure reflective insulation properties. 300 microns is like putting about five sheets of office paper on top of each other!

If mold appears on the coating after some time, the required layer of coating has not been applied. The wall is still cold in this area, which is why mold keeps reappearing – air moisture continues to condense here. In the case of extreme thermal bridges, it is necessary to apply more layers of ABAMAL Anti-Mold coating to make the wall warm to the touch. If possible, we recommend inspecting cold walls with a thermal camera to detect such thermal bridges before application and prepare for areas where a thicker layer of paint should be applied to prevent this phenomenon. If you are unsure or if mold appears on the coating, do not hesitate to contact our technical department, where they will advise you on how to proceed.

The coating dries relatively quickly during application. We recommend trying out several rollers, as each surface is different and each surface requires a different roller (long, short pile or foam rollers, etc.). From our own experience, we have found it best to always apply a layer to an area of approx. 0.5–1 m^2, wait a minute or two, and then roll it out with a roller to a "smooth" surface. The roller may create a slight texture in the coating. If you spread the coating in one place for too long, rough spots may appear, which can be sanded down with sandpaper.

Applying the coating itself is not difficult if you follow the instructions. Dip the roller in the coating and apply it to the surface with short strokes. Dip the roller, make a short stroke up and down (approx. 50 cm per stroke, depending on how wet the roller is), and then dip the roller in the coating again. Apply the paint in a single coat to the entire area. Then allow to dry for at least 3 hours before applying the second coat.

It is important to allow each coat to dry in order to achieve the desired reflective insulation properties. Failure to follow this procedure will result in stains and uneven application to the painted surface. If the coating material is applied over a longer period of time, always stir the entire coating material again at 30-minute intervals to ensure uniform homogenization of the material and binding of all components contained in the coating material.

CAUTION: the coating must not be applied in long strokes as in conventional painting.

Result of the coating applied to the wall: The coating hardens completely approximately 24 hours after application. After this time, the functionality of the coating is already noticeable. It feels warm to the touch and there is a noticeable increase in temperature in the rooms. The temperature in the room is evenly distributed across the wall, which prevents water vapor condensation and mold growth on the surface. The coating is mechanically resistant and vapor-permeable. In case of any damage, the affected area can be repainted according to the recommended procedure above.

ABA TIP: We recommend the Wagner Universal Sprayer W 950 Flexio sprayer for the best visual effect.

Warning and general instructions

What next: When you decide to repaint after a few years, we recommend using ALPHA COLOR paints, which work perfectly with ABAMAL Anti-Mold. ABAMAL Anti-Mold will cover the mold, but its properties will remain. The building will continue to address the cause of mold growth throughout its lifetime, and you will have warm walls that keep you warm.

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Processing conditions: The temperature of the substrate and air must not fall below +5 °C. During application, direct sunlight, wind, and high humidity must be avoided. In conditions that promote rapid drying of the interior coating (temperature above +35 °C, drafts, heated substrate, etc.), the applicator must consider all circumstances (including, for example, the size of the area) affecting the possibility of proper application, especially joining. In conditions that prolong drying (especially low temperatures and high humidity), slower drying (complete hardening) of more than 12/24 hours must be expected. High temperatures, especially in summer, adversely shorten the drying time. High humidity or low temperatures (e.g., in late autumn) can significantly prolong the drying time and adversely affect the final color shade or properties of the coating.

Color shade: The intensity of the final color shade may be adversely affected by the condition of the substrate, temperature, or humidity. In particular, with an uneven substrate (structure, absorbency) or when applied under variable "weather" conditions, there is an increased risk of uneven coloration (risk of staining).

Color consistency can only be guaranteed within a single production batch, so it is recommended to order the required amount of material for the entire object at once. When processing different production batches of the same shade on a single surface, it is necessary to ensure that they are thoroughly mixed together. Mechanical action may cause color changes on the surface of the coating (e.g., rubbing off of color pigments). This phenomenon does not affect the technical functionality of the coating and is not related to the quality of the delivered product. Differences in color shades between sample colors and original products are possible for technological reasons (different types of substrate and printing technology). With this in mind, it is recommended to apply test samples before starting the application. Since it is not always possible to guarantee completely identical processing and curing conditions for the samples presented and the interior materials subsequently supplied, any slight color differences cannot be considered a defect.

Moisture protection: ABAMAL interior coating is resistant to mold and withstands normal interior stress. The interior coating must not be in constant contact with water and must not be exposed to condensing moisture.

Maintenance and restoration of finished surfaces: To maintain the functional and decorative properties of the coating in the long term, it is advisable to regularly inspect and maintain the coated surfaces as follows: sweep, vacuum, or wash off loose dirt. Remove more stubborn dirt using universal cleaning agents and then wash with clean water.

Safety precautions: See the product safety data sheet for details.

Do not eat, drink, or smoke when working with ABAMAL Anti-Mold coating. We recommend protecting your eyes with goggles with side shields. If swallowed, rinse your mouth with water. If the product comes into contact with your eyes, rinse them with running water. If symptoms persist, seek medical attention. Treat your skin with a regenerative cream after washing. Keep out of reach of children.

Disposal of packaging: The packaging is fully recyclable. The material is not classified as environmentally hazardous. Dispose of unused material or packaging in accordance with applicable regulations. Dispose of product residues as mixed construction and demolition waste.

Other informations

This technical data sheet, provided as part of our support to customers and processors, has been compiled based on our own experience and the current state of scientific and technical development. The procedures and recommendations provided herein represent, in a general sense, optimal and safe solutions, but are not legally binding and do not establish a contractual relationship or additional obligations under the purchase agreement. Nor do they relieve the processor of the responsibility to verify the suitability of this product for its intended use under specific conditions. The consumer is responsible for the correct use of the product. The information provided in this technical data sheet is based on laboratory findings and our professional experience with the aim of achieving the best possible results at a professional level when using the product. We accept no responsibility for damage caused by incorrect use of the product or its inappropriate selection. We therefore recommend that the buyer or user test our materials professionally and technically to ensure that they are suitable for the intended use under the given conditions in the given building.

This technical data sheet loses its validity upon the publication of its amendment. The manufacturer reserves the right to make possible later changes and additions. The manufacturer reserves the right to change the information in technical and promotional materials without prior notice. Updated versions of technical data sheets are available from the manufacturer upon request. All information in this manual is non-binding.

Manufacturer

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