





PROTECTIVE, WASHING AND MODIFYING AGENTS

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PROTECTIVE, WASHING AND MODIFYING AGENTS

Impregnants

Impregnation of construction elements protects them against harmful influence of environment or soiling resulting from everyday use. Any porous surfaces, made of masonry mortars (plasters, finishing coats, grouts, etc.), as well as other elements with structure permeable for the protective agent (e.g. stone tiles, bricks, cellular concrete blocks, ceramic hollow blocks, etc.) can be impregnated.

ATLAS impregnants:

- SILSTOP – silicone hydrophobic agent
- DELFIN – agent protecting against soiling
- BEJCA – agent protecting mineral renders imitating natural wood

Surface cleaning

Construction is inseparably connected with risk of soiling any surrounding surfaces. The source of dirt can be cement, anhydrite and gypsum mortars as well as paints and priming emulsions. Unfortunately, surfaces which are not cleaned quick enough from residues of tile adhesive, grout or primer, can be permanently damaged.

• ATLAS washing agents:

- SZOP
- SZOP 2000

Due to different chemical composition of various construction materials, there is no single general-use agent removing any stains. Washing agents, ATLAS SZOP and ATLAS SZOP 2000, help to remove almost any stains resulting from use of building mortars, paints and priming emulsions. Only stains of silicate paints and primers can be found irremovable.

Biological corrosion

Biological corrosion is understood as degrading activity of living organisms: fungi, lichens, bryophyte, insects and bacteria. It destroys construction elements both indoors and outdoors. Particular microclimate prevailing in many places offers ideal conditions for settlement, growth and proliferation of various microorganisms. Indoors, it is most often present in poorly ventilated rooms, e.g. bathrooms and on internal wall surfaces where thermal bridging occurs. Outdoors, it is met most often in the form of algae on the façades of buildings located in shady places, close to clusters of greenery or water reservoirs. Effective and easy biological corrosion removal is available with use of ATLAS MYKOS.

Treatment of fungi-ridden surface consists of 4 stages:

1. Identification of type and size of contamination.
2. Removal of dampness source.
3. Removal of contamination with MYKOS agent.
4. Protecting the surface against re-contamination – painting with ATLAS SILSTOP impregnant or with ATLAS SALTA paint.

Modifying agents

Modification of construction compounds aims to:

- change properties within designed range of use – ATLAS ESKIMO
- change of use – ATLAS ELASTIC EMULSION

Elastifying agents

They improve elasticity of ready-to-use building mortars. ATLAS ELASTIC EMULSION can be added to:

- ELASTIFIED ADHESIVE MORTAR ATLAS
- ATLAS MIG 2
- ATLAS WIDE GROUT

Owing to addition of ELASTIC EMULSION these products can be used upon substrates exposed to deformation, e.g. terraces, façades, fireplaces, floors with heating systems, plasterboards, etc. ATLAS ELASTIC EMULSION can also be used during preparation of contact coat prior to application of flooring materials – ATLAS TEN-10, ATLAS POSTAR 20, ATLAS POSTAR 40 and ATLAS POSTAR 80.



Setting accelerator

Agents of this type enable application in unfavourable atmospheric conditions. ATLAS ESKIMO enables application of dispersion renders and paints in low temperature (0°C - 10°C) and high humidity (above 80%).

It can be used with:

- ATLAS ACRYLIC renders
- ATLAS SILICONE renders
- ATLAS DEKO M mosaic renders
- ATLAS SALTA E acrylic paint
- ATLAS SALTA silicone paint

TABEL 14.1

| Product |  |  |
|-----------------------------|---|---|
| | ATLAS SILSTOP | ATLAS DELFIN |
| TYPE OF IMPREGNATED SURFACE | | |
| Absorptive ceramic tiles | • | ✓ |
| Absorptive stone | ✓ | ✓ |
| Grouts | • | ✓ |
| Construction ceramics | ✓ | • |
| Cellular concrete | ✓ | |
| Silicate elements | ✓ | |
| Mineral and acrylic renders | ✓ | |

- ✓ particularly recommended
• can be used

| Product |  |  |  |
|-------------------------------|---|--|---|
| | ATLAS SZOP | ATLAS SZOP 2000 | ATLAS MYKOS |
| TYPE OF CLEANED DIRT | | | |
| Cement | ✓ | | |
| Lime | ✓ | | |
| Gypsum | ✓ | | |
| Mineral deposits from water | ✓ | | |
| Rust | ✓ | | |
| Acrylic priming emulsions | | ✓ | |
| Dispersion renders and paints | | ✓ | |
| Acrylic impregnants | | ✓ | |
| Algae | | | ✓ |
| Fungi | | | ✓ |
| TYPE OF CLEANED SURFACE | | | |
| Glazed tiles and terracotta | ✓ | ✓ | |
| Clinker and gres-porcelain | ✓ | ✓ | |
| Stone | ✓ | ✓ | |
| Plastic | ✓ | ✓ | |
| Glass | | ✓ | |
| Chrome plated | ✓ | | |
| Steel | ✓ | ✓ | |
| Mineral renders | | ✓ | ✓ |
| Concrete elements | | ✓ | ✓ |
| Grouts | | ✓ | ✓ |

- ✓ particularly recommended
• can be used



ATLAS SILSTOP

absorbency reducer

- for stone, brick, render, concrete
- protects against contamination
- resistant to weather conditions
- colourless
- water vapour permeable



Use

Protects construction partitions exposed to rainfall – especially roofs covered with cement roof tiles and façades coated with mineral renders.

Protects against structural contamination – protected surface does not attract and absorb pollution.

Enables surface self-cleaning of façades – precipitation water flows freely down the impregnated surface, cleaning it from dirt, dust, spores and other minor contaminants.

Types of substrates – plasters, renders, concrete, blocks made of cellular and aerated concrete, silicates, stone and ceramic walls (e.g. brick walls); can also be used for hydrophobization of mineral and acrylic thin-coat renders as well as strongly bonded façade paint coats, additionally exposing their colour.

Properties

Hydrophobic action – reacts with air components and water present in the pores of protected materials, therefore reduces its absorbency and protects construction elements against excessive water soaking.

Does not limit water vapour permeability – seals against water with no reduction of free transfer of water vapour. Solution penetrates deep into the material and provides high level of water vapour permeability at the same time.

Deeply penetrating – based on organic solvents formula, penetrates deep into the structure of material.

High resistance to external conditions – alkali, acid rains, UV radiation, aggressive urban environment.

Colourless – does not affect the colour of substrate after drying.

Technical data

ATLAS SILSTOP is a colourless solution of silicone dispersion in organic solvent. The priming paint of setting characteristics: maximum content of VOC in the product 627.28 g/l, maximum allowable content of VOC 750 g/l.

| | |
|---|-------------------------------|
| Density | approx. 0.8 g/cm ³ |
| Substrate and ambient temperature during work | from +5°C to 25°C |
| Flash point | +59 °C |

Technical requirements

Impregnant is not classified as a construction product.

Impregnation

Substrate preparation

The substrate should be dry, strong and free from dust, dirt, oil, grease and wax.

Liquid preparation

ATLAS SILSTOP is manufactured as a ready-to-use product for direct application. It must not be mixed with other materials, diluted or thickened.

Impregnation

Apply undiluted product evenly upon the substrate, using a brush or a roller. The next coat (in case of more absorptive substrates) or painting, e.g. with ATLAS SALTA silicone paint, can start when the first coat of preparation dries, i.e. after approx. 6 hours.

Consumption

The average consumption of impregnant is $0.1 \div 0.3$ l for 1 m². The actual consumption depends on the substrate type and absorptiveness.

Important additional information

- Do not use on substrates containing materials not resistant to organic solvent within the depth of penetration of the preparation, e.g. expanded polystyrene under base coat in thermal insulation systems.
- During application and directly after, air the rooms until characteristic smell disappears. Do not leave containers open.
- Wash the tools with clean water with detergent directly after use.
- The preparation must be transported and stored in tightly sealed original packaging, in dry conditions and temperature from +5°C up to +25°C. Protect against overheating (above +30 °C). During storage observe OHS regulations like for solvent-based paints and keep storage conditions like for flammable materials. Flammable liquid and vapours. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store in a well ventilated place. Shelf life in conditions as specified is 12 months from the production date shown on the packaging.
- Contains trimethoxyethylsilane. May be fatal if swallowed and enters airways. May cause an allergic skin reaction. Repeated exposure may cause skin dryness or cracking. Do not breathe spray. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN: Wash with plenty of water with soap. IF SWALLOWED: Immediately call a POISON CENTER/doctor. Follow the instructions of the Safety Data Sheet.

Packaging

Metal containers: 1 l, 5 l.

The above information constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to engineering principles and OHS regulations.

At the time of publication of this product data sheet all previous ones become void. Date of update: 2014-11-21



ATLAS DELFIN

impregnant for tiles and grouts

- protects tiles and grouts against stains and dirt
- for non-glazed and stone tiles
- forms protective coat
- gives delicate gloss to tiles
- refreshes the surface colour



Use

Protects against typical contamination resulting from usage – oils, coffee, tea and water.

Protects porous surfaces – susceptible to structural contamination.

Facilitates keeping cleanliness – owing to high penetration ability, it permeates the outer layer of tiles and grouts, forming durable protective coat on their surfaces.

Adds delicate gloss to non-glazed tiles.

Recovers fresh appearance of old, matte cladding.

Types of protected substrates – cement grouts, highly absorptive tiles (non-glazed ceramic, stone and cement).

Properties

Colourless – highlights the colour of substrate after drying.

Resistant to typical cleaning agents – is not washed off during maintenance of cladding.

Technical data

ATLAS DELFIN is manufactured on the basis of acrylic dispersion. Varnish for painting internal or external finishing elements: maximum content of VOC in the product 5.46 g/l, maximum allowable content of VOC 130 g/l.

| | |
|-----------------------------------|-------------------------------|
| Emulsion density | approx. 1.2 g/cm ³ |
| Substrate and ambient temperature | from +5°C to +25°C |
| Floor access | after 24 h |

Technical requirements

Impregnant is not classified as construction material. The product has been given the Hygienic Certificate by the National Institute of Hygiene.

Impregnation

Substrate preparation

The substrate should be dry, free from dust, dirt, oil, grease and wax.

Impregnant preparation

ATLAS DELFIN is manufactured as a ready-to-use product for direct use. It must not be mixed with other materials, diluted or thickened.

Impregnation

Apply undiluted ATLAS DELFIN upon the substrate, using a brush or a sponge, with thin uniform coat. Don't leave puddles! In case of more absorptive substrates, apply another coat crosswise to the first one after approx. 30 minutes of drying. Floor can be used not earlier than 24 hours since the application of the emulsion. Grouts can be impregnated after hardening - apply the liquid with a thin brush 2 weeks since their application.

Consumption

The average consumption is 1 kg of emulsion for approx. 15 ÷ 20 m². The actual consumption depends on the substrate absorptiveness and cladding type.

Important additional information

- It is advisable to consult the tiles manufacturer before using ATLAS DELFIN for protection of freshly installed ceramic cladding.
- Wash the tools with clean water directly after use. Remove residues of ATLAS DELFIN with ATLAS SZOP 2000.
- Keep out of reach of children. Follow the instructions of the Safety Data Sheet.
- Keep in tightly sealed original and labeled containers. Keep in dry and cool places, protect against overheating (> 30 °C) and freezing - the product freezes and irreversibly loses its performance in temperature below 0 °C. Protect against direct sunshine. Shelf life in conditions as specified is 12 months from the production date shown on the packaging.

Packaging

Plastic bottles 0.25 kg, plastic drums: 1 kg, 5 kg

Pallet: 300 kg in 0.25 kg bottles, 576 kg in 1 kg drums, 540 kg in 5 kg drums.

The above information constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to engineering principles and OHS regulations.

At the time of publication of this product data sheet all previous ones become void.
Date of update: 2016-02-15



Use

Application of thin, colourful protective coat on decorative renders imitating wood texture ATLAS CERMIT WN – product is a component of external wall insulation systems ATLAS ETICS and ATLAS ROKER; can also be used on concrete substrates, mineral renders of any type (smooth, textured, etc.), gypsum plasters and finishes, plasterboards, etc.

Properties

Coat elasticity and high resistance to atmospheric conditions – owing to rich content of polymer dispersions.

Strongly hydrophobic, resistant to soiling – content of special silicone resins allows for significant reduction of coating absorptiveness, therefore reduces dust and dirt deposition, particularly in the render scores.

Durable and stable colours – specially selected semi-transparent pigments of high resistance to UV radiation, supplemented with minor addition of inorganic pigments assure long term colour stability.

Available in 10 colours of natural wood – colour range designed according to preferences of users from various European countries.

Technical data

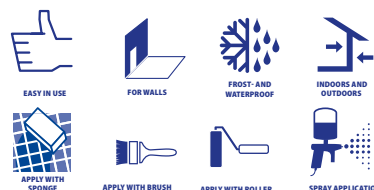
ATLAS BEJCA is manufactured on the basis of mix of dispersion of low molecular weight polymers and silicone resins.

| | |
|---|--|
| Density | 1.02 g/cm ³ |
| Impregnator preparation, substrate and ambient temperature during work, air relative humidity | from +5 °C to +25 °C, humidity < 80% |
| Drying time | approx. 30 minutes |
| Water absorptiveness after 24 h | ≤ 200 g/m ² , with mineral render ATLAS CERMIT WN |
| Early resistance to rain | after approx. 24 h |
| Coat scrub resistance | above 5000 moves, acc. to PN-C/81913 |
| Relative diffusion resistance | ≤ 1.0 m |
| Impact resistance | Category II - with mineral render ATLAS CERMIT WN, standard MW, base coat ATLAS ROKER W-20. Other – category III |
| Reaction to fire | fire retardant with mineral render ATLAS CERMIT WN |

ATLAS BEJCA

impregnator for mineral render imitating natural wood texture ATLAS CERMIT WN

- highly resistant to atmospheric conditions
- resistant to soiling
- outstanding coat elasticity
- colour durability
- wide range of colours of natural wood



Technical requirements

The product is listed in the following approvals for thermal insulation systems:

| System name | Technical Approval No. | Certificate No. |
|-------------|------------------------|-----------------|
| ATLAS ETICS | AT-15-9090/2014 | FPC-ITB-0562/Z |
| ATLAS ROKER | AT-15-2930/2012 | FPC-ITB-0436/Z |

The product has been given the Radiation Hygiene Certificate.

Application

Substrate preparation

Impregnator ATLAS BEJCA should be used on dry and sound, clean substrates:

- decorative mineral renders ATLAS CERMIT WN – after min. 3 days* since application,
- thin-coat mineral renders ATLAS CERMIT SN and DR – after min. 3 days* since application,
- traditional plasters made of ATLAS PLASTERING MIX, cement and cement-lime plasters – after min. 14 days* since application, structural moisture content < 2%,
- concrete – after min. 3 months* since application, structural moisture content < 2%,
- gypsum plasters and finishes, moldings, plasterboards – structural moisture content < 2%.

Any substrates coated with ATLAS BEJCA impregnator should be permanently damp proofed.

*) Note: for setting conditions: temperature +20°C, air humidity 50%

Impregnator preparation

Impregnator is delivered ready-to-use. It must not be mixed with other materials. Mix well before use in order to unify the consistency, best with a low speed mixer with a drill. Repeat mixing during application, if needed.

Impregnator application

Impregnator can be applied with one or two coats. Use clean tools and containers only. ATLAS BEJCA should be applied upon substrate with a brush, a roller or a sponge. Coat ATLAS CERMIT WN along the pressed "wood rings". In case of spray application, protect neighbouring elements, windows and doors. Apply the impregnator with uniform, thin coat, avoid patches and unpainted points. Coat any render scores thoroughly. Do not leave unpainted points. Time of drying - approx. 30-120 minutes, depending on substrate type, air temperature and relative humidity. In high humidity and temperature close to +5°C the setting time can extend.

Consumption

Average consumption - approx. 0.1-0.15 kg/1 m²/coat. The actual consumption can be established on basis of sample application upon particular substrate.

Important additional information

- In order to avoid differences in colour shades an individual surface should be coated with impregnator of the same manufacturing date.
- Tools must be cleaned with clean water directly after use.
- Due to high sun radiation absorption, dark, intensive colours of renders (HBW < 20) are recommended on limited façade surfaces.
- Do not use the product on horizontal surfaces exposed to direct water and snow action as well as damp resulting from capillary action.
- Protect the painted surface both during application and approx. 24 hours after against direct sunlight. Use scaffolding covers. Protect painted surface against dust and precipitation until the impregnator dries.
- Keep in tightly sealed original and labeled containers. Keep in dry and cool places, protect against overheating (> 30 °C) and freezing - the product freezes and irreversibly loses its performance in temperature below 0 °C. Protect against direct sunshine. Incompatible materials: avoid contact with aluminum, copper and alloys of these metals. Shelf life in conditions as specified is 12 months from the production date shown on the packaging.

Packaging

Plastic bucket: 4 l

The above information constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to engineering principles and OHS regulations.

At the time of publication of this product data sheet all previous ones become void.

Date of update: 2016-09-14



Use

Prevents mineral render ATLAS CERMIT WN from bonding silicone molds in the technology of application of renders imitating wood – effectively accelerates pace of work and ensures problem-free pattern formation.

Types of substrates – agent can be used on almost any construction substrates, especially mineral ones, e.g. concrete, cement and cement-lime plasters, cement screeds, grouts. **Note.** Use of agent upon surfaces other than mineral should be preceded by test application on a surface piece.

Properties

Safe in use – does not contain sulfur and aromatics, therefore is odour-free and safe in use.

Colourless – does not leave stains on substrate, accordant with ATLAS BEJCA impregnator.

Easy in use – does not require special tools, offers perfect working properties.

Facilitates render shaping and work with silicone mold.

Technical data

ANTI-ADHESION AGENT is manufactured on the basis of mix of hydrotreated paraffinic oils.

| | |
|---|-------------------------|
| Relative density | 0.855 g/cm ³ |
| Substrate and ambient temperature during work | from +5°C to +25°C |

ATLAS ANTI-ADHESION AGENT

anti-adhesion agent for wood textured silicone molds

- easy and safe in use
- colourless
- does not leave stains on substrate



FOR WALLS



EASY IN USE



INDOORS AND OUTDOORS

Application

Agent preparation

ATLAS ANTI-ADHESION agent is manufactured as a ready-to-use product for direct use. It must not be mixed with other materials. Shake before use in order to unify the consistency.

Application

Apply ATLAS ANTI-ADHESION agent upon silicone mold patterned side with a brush, along the mold axis. Apply the agent thoroughly with uniform coat. Remove the render residues from the mold after each pattern pressing and apply new thin coat of anti-adhesion agent.

Consumption

On average, approx. 50 ml for a single mold coating.

Important additional information

- May be fatal if swallowed and enters airways. Wear protective gloves/protective clothing, eye protection and face protection. IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do not induce vomiting. Keep container tightly closed. Dispose of contents/ container to appropriately labeled containers designed for selective waste treatment, emptied by an authorized company. Follow the instructions of the Safety Data Sheet.
- Keep in cool, dry, well ventilated room in appropriately labelled and tightly sealed original packaging. Protect against direct sunshine, heat sources, hot surfaces, open flame. Temperature of storage: from +5°C up to +25°C. Protect against freezing. Shelf life in conditions as specified is 12 months from the production date shown on the packaging.

Packaging

Plastic drums: 5 kg

The above information constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to engineering principles and OHS regulations.

At the time of publication of this product data sheet all previous ones become void.

Date of update: 2016-09-15



ATLAS SZOP

concentrated cement and lime residues remover

- for surfaces resistant to acids, ceramic, stone, chrome plated, varnished, stainless steel and plastic
- removes rust and water stains
- concentrate, can be diluted



Use

Removes cement, lime and gypsum residues – contains inorganic acid, recommended for cleaning surfaces after construction works where mineral mortars were used.

Removes dirt resulting from usage – dirt, sedimentation and stains caused by minerals contained in water, rust, etc.

Types of cleaned surfaces – ceramic (glazed, terracotta, porcelain-gres, clinker) and stone tiles, washing facilities, chrome-plated and varnished, stainless steel and plastic surfaces.

Properties

Can be diluted depending on the degree and type of contamination.
Examples:

| | |
|--|--------------|
| Thick, old residues of adhesives, grouts, plastering mortars, etc. | undiluted |
| Tarnish of adhesives, grouts, plastering mortars, etc. | 1:3 to 1:5 |
| Dirt and lime | 1:5 to 1:10 |
| Rust and tap water stains | 1:10 to 1:15 |

Technical data

ATLAS SZOP contains inorganic acid.

Technical requirements

Cleaning agent is not classified as construction material. The product has been given the Hygienic Evaluation by the National Institute of Hygiene.

Cleaning

Places contaminated with products containing cement or lime should be slightly soaked with water. Use a brush or a sponge for the agent application and further cleaning. Depending on substrate properties, intensity and type of contamination, the agent can be used undiluted or as a water solution (see table). Strongly contaminated places should be soaked with undiluted agent and left soaked for a few minutes, so the agent starts to work. Remove contamination then. Pay special attention when working on surfaces where mortars containing cement or lime are present, e.g. ceramic cladding with joints filled with cement grout. In such cases, the application of improperly diluted agent can lead to accidental mortar washing off or its discolouration. In each case, wash the cleaned surface thoroughly with clean water or water solution of slight alkaline reaction. Absorptive surfaces can be protected against contamination with ATLAS DELFIN agent.

Consumption

The consumption depends on the degree and type of contamination.

Important additional information

- When cleaning absorptive surfaces (porous ones), which let dirt penetrate the material structure, one may find difficult to remove contamination.
- Wash the tools with clean water directly after each use.
- Causes skin irritation. Causes serious eye irritation. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists get medical advice/attention. Take off contaminated clothing. Store locked up. Follow the instructions of the Safety Data Sheet.
- The agent must be transported and stored in tightly sealed packaging, in dry conditions and positive temperature. Protect against overheating. The emulsion shelf life is 12 months from the production date shown on the packaging.

Packaging

Plastic drums: 1 kg
Pallet: 576 kg in 1 kg drums.

The above information constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to engineering principles and OHS regulations.

*At the time of publication of this product data sheet all previous ones become void.
Date of update: 2014-01-10*



ATLAS SZOP 2000

concentrated polymer dispersion residues remover

- removes residues of priming emulsions, paints and dispersion renders
- for ceramic, stone, clinker, chrome plated, varnished, stainless steel and plastic surfaces



Use

Removes residues of dispersions – priming emulsions (e.g. ATLAS UNI-GRUNT), protective agents (e.g. ATLAS DELFIN), emulsion paints, dispersion renders.

Types of cleaned surfaces – ceramic (glazed, terracotta, porcelain-gres, clinker) and stone tiles, washing facilities, chrome-plated and varnished, stainless steel and plastic surfaces.

Properties

Fast and effective – contains non-ionic surfactants, solvents and alkaline agents, dissolves dispersions quickly.

Can be diluted – depending on the degree of contamination, can be diluted with water (max. ratio 1:5).

Technical data

ATLAS SZOP 2000 contains non-ionic surfactants, solvents and alkaline agents.

| | |
|---|-------------------------------|
| Density | approx. 1.0 g/cm ³ |
| Substrate and ambient temperature during work | from +5°C to +25°C |

Technical requirements

Cleaning agent is not classified as construction material.

Cleaning

Depending on the degree of contamination - dilute ATLAS SZOP 2000 with water (max. ratio 1:5) and spread upon the surface. Strongly contaminated places should be soaked with undiluted agent. In either case leave soaked contamination for 15 minutes, so the agent starts to work, and remove the residues with a scrubbing brush then. Repeat the process, if necessary. Wash the whole surface thoroughly with water after cleaning.

Consumption

The consumption depends on the degree and type of contamination.

Important additional information

- The agent is not recommended for cleaning wooden surfaces and window panes. If in doubt conduct an application test before the main application of the agent.
- Wash the tools with clean water directly after use.
- Causes skin irritation. Causes serious eye irritation. Keep out of reach of children. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. IF ON SKIN: Wash with plenty of water with soap. If eye irritation persists get medical advice/attention. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing. Follow the instructions of the Safety Data Sheet.
- The agent must be transported and stored in tightly sealed packaging, in dry conditions and positive temperature. Protect against overheating. The emulsion shelf life is 12 months from the production date shown on the packaging.

Packaging

Plastic drums: 1 kg

Pallet: 576 kg in 1 kg drums.

The above information constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to engineering principles and OHS regulations.

At the time of publication of this product data sheet all previous ones become void. Date of update: 2014-01-10



ATLAS MYKOS fungicide

- effective, quick and easy in use
- fights mould and algae
- for cleaning cement and gypsum surfaces
- for bathrooms and kitchens
- for façades and terraces



Use

Quick and effective removal of biological corrosion – organic origin tarnish, i.e. fungi, mould, lichens, algae and moss. Effective against Basidiomycota fungi and mould: *Aspergillus niger*, *Aspergillus terreus*, *Paecilomyces variotti*, *Penicillium funiculosum*, *Penicillium ochrochloron*, *Scopulariopsis brevicaulis*, *Trichoderma viride*.

Protects construction elements from damage – biological corrosion develops in places particularly exposed to damp, destroys the protective coat of construction elements and exposes their structure to adverse atmospheric factors. Façades (insulated and not insulated), walls and floors on terraces, laundries, cellars, bathrooms, etc. are particularly susceptible to infection.

Restores aesthetic appearance of finishing coats – biological corrosion occurring in the form of black, brown or green tarnish is effectively removed and original appearance of infected surface restored.

Types of substrates – agent can be used on almost any construction substrates, especially mineral ones, e.g. concrete, cement and cement-lime plasters, cement screeds, grouts. **Note.** Use of agent upon surfaces other than mineral should be preceded by test application on a surface piece.

Properties

Penetrates the structure of mineral substrates – the agent is able to penetrate the mineral bed to the depth of a few millimeters and therefore destroys micro-organism in various stage of development more effectively.

Can be applied without professional assistance – the application of agent does not require any special qualifications and users can perform the cleaning themselves, with the use of typical painting tools, accessories for surface cleaning and protective measures.

Technical requirements

The product has been given the biocide marketing authorization No. 3258/07 and Hygiene Certificate No. KH/B/0475/06/2012 issued by the National Institute of Hygiene.

Avoid discharge into the environment. Active compound – Benzyl-C12-18-alkyldimethylammoniumchloride = 0.5 g/100 g – C, Substances classified as hazardous: Ethanol 0.05 – 0.25% – F. Effective dosage: Basidiomycota – 394 g/m², mould – 410 g/m².

In case of intoxication or allergy to the product, if the injured person is unconscious or in convulsions, do not administer liquids and do not induce vomiting. Evacuate injured person from the place of application of agent and contact a doctor or a toxicology center. Follow the instructions of the Safety Data Sheet.

Waste handling. Remains or spilled product must be removed according to the Ministry of Environment Regulation of 27 September 2001, on waste catalogue (Polish Journal of Laws No. 112 item 1206) and Law on waste of 14 December 2012 (Polish Journal of Laws No. 2013 item 21), and Ministry of Environment Regulation on specimens of documents used for the purposes of waste registration of 8 December 2010 (Polish Journal of Laws No. 249 item 1673). Check and follow local regulations on the waste handling.

Mode of disposal: D2 storage in bulk in open storage places in tight containers. **Packaging waste:** 15 01 02, plastic containers. Product can be considered a waste when it is totally unsuitable for use. The waste product is transported to the place indicated by the environment protection services for utilization. Empty containers must be stored in a designated place until the appropriate transport batch is collected. Deliver collected containers to the company operating in recycling or neutralization.

Do not let the product enter the sewage system, surface and ground waters, protect drains. If possible, stop leakage (stop the liquid inflow, seal, place damaged container in a replacement container). Cover the released product with absorbable materials, e.g. sand and collect into properly marked and tightly closed waste container. Dispose of collected waste according to the regulations in force. In case of release of large amounts of the product or contamination of the environment, inform appropriate authorities and chemical rescue services.

Cleaning

Substrate drying and protecting

Inspect the substrate, find the sources of damp and remove them. If necessary, replace flashings, gutters, roof covering and apply new foundations waterproofing, soil draining, etc. If the substrate is significantly damp, hack off its topmost layer going at least 80 cm outside the damp area, clean with a steel brush and leave to dry. Vacuum the surface when dries. Remove damp from construction partitions and rooms using air driers and heaters or by improving the ventilation system. Employ professionals for this operations. Protect the cleaned places against precipitation and excessive liquid drying, which might take place at points exposed to sunlight.

Tarnish removal

Clean the infected surface from tarnish before the application of fungicide. The technology of cleaning (manual or machine – with pressure washer) must be selected individually. The choice is determined by location of surface and degree of infection. In case of very strong tarnish, machine removal is necessary. If the infection is light, tarnish can be removed with water and a brush and dusted with a vacuum cleaner. Technical details, like jet type and water pressure of machine cleaning, or brush hair hardness for manual removal, must be chosen according to intensity of contamination and substrate strength. When cleaning, be prepared for the risk of loose substrate parts to fall off. If, for example, render is weak and its replacement is not planned, or when the cleaned surface is relatively small, e.g. grouts, the tarnish can be removed manually with brushes with appropriately hard hair. The pressure washer with flat water stream jet can be used when the tarnish is removed from a façade and renders are strongly bonded to the substrate, so there is no risk of damage. The maximum pressure must not exceed 150 bar. When a façade is extremely greasy, which impedes the penetration of the fungicide, use detergent to wash it. In case of significant tarnish, enhance the effect of preliminary washing by using hot water.

Surface decontamination

Surface decontamination with ATLAS MYKOS can be carried out when the substrate and ambient temperature is between +5°C and +25°C. Apply the liquid uniformly with a brush, a roller, or spray it. Due to possibility of occurrence of mycelium in various stages of development (easy to remove vegetative mycelium and sprouting spores as well as much more resistant endospores like conidium), it is advisable to apply the agent three times. Intervals of 12-24 hours must be observed between consecutive applications.

Surface protection

If the topmost substrate layer was hacked off, it must be recreated with appropriate mortars, e.g. ATLAS PLASTERING MIX or ATLAS TEN-10 (according to their technology of application). Painting of surfaces treated with ATLAS MYKOS can take place not earlier than 48 hours since the agent application. Indoors, rooms can be used after 48 hours since the agent application. Silicone paints and agents, e.g. ATLAS SILSTOP, ATLAS SALTA or ATLAS FASTEL NOVA are recommended for painting. They significantly limit the substrate absorptiveness and reduce the risk of new contamination.

Consumption

For single application: 0.1 kg of agent for 1 m² of infected surface.
For recommended triple application: 0.25 – 0.3 kg of agent for 1 m².

Important additional information

- Do not eat, drink, or smoke during use of preparation. Rooms where the preparation was applied must be aired thoroughly. Wash the tools with water directly after use.
- Contains didecyl dimethyl ammonium chloride, ethanol. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Prevention precautionary statements. Keep out of reach of children. Avoid breathing /mist/ vapours/spray. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN: Wash with soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention. If eye irritation persists get medical advice/attention. Dispose of contents/container to authorized companies. Follow the instructions of the Safety Data Sheet.
- Keep the preparation in dry rooms, in original containers protecting against freezing, in temperature between +5°C and +25°C. Store in a well ventilated place. Keep tightly closed. Shelf life in conditions as specified is 12 months from the production date shown on the packaging.

Packaging

Plastic drums: 1 kg, 5 kg, spray 0.5 kg
Pallet: 576 kg in 1 kg drums, 540 kg in 5 kg drums and 216 kg in 0.5 kg (multi-packs 12 pcs).

The above information constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to engineering principles and OHS regulations.

*At the time of publication of this product data sheet all previous ones become void.
Date of update: 2014-01-08*



ATLAS ELASTIC EMULSION

admixture modifying parametres of particular mortars

- improves elasticity
- improves bonding to substrates
- improves working parametres
- extends the range of use of particular mortars
- component of contact coats beneath particular ATLAS mortars



Use and properties

Improves elasticity of mortars – enables their use when installing ceramic cladding on deformable substrates, e.g. appropriately rigid and stable waterproof plywood and plasterboards.

Improves stress compensation within the mortar – enables application of non-elastic mortars on balconies, terraces, screeds with floor heating systems.

Improves mortar bonding to substrate – mortars of basic bonding can be used after modification on old glazed tiles and terracotta, directly on terrazzo and on residues of old well bonded adhesives and mineral mortars.

Improves working parameters – improves mortars elasticity, makes them more comfortable to work with.

Extends the range of use of particular cement-based mortars – ELASTIFIED ADHESIVE MORTAR ATLAS and ATLAS WIDE GROUT.

Component of contact coats beneath particular ATLAS mortars – used for appropriate preparation of substrate prior to application of ATLAS TEN-10, ATLAS POSTAR 80, ATLAS POSTAR 40 and ATLAS POSTAR 20.

Technical data

ATLAS ELASTIC EMULSION is manufactured on the basis of high quality polymer dispersions and modifiers.

| | |
|--|-------------------------------|
| Emulsion density | approx. 1.2 g/cm ³ |
| Mix preparation, substrate and ambient temperature during work | from +5°C to +25°C |

Technical requirements

The product has been given the ITB Technical Approval No. AT 15-6708/2011. The product has been given the Factory Production Control Certificate No. ITB-0015/Z.

The product has been given the Radiation Hygiene Certificate.

Modifying

Preparation of emulsion solution

The emulsion is added to mortars in the form of water solution. Its preparation consists in pouring the emulsion into a container and diluting with clean water in appropriate ratio, depending on use:

- with ELASTIFIED ADHESIVE MORTAR ATLAS - 1 kg of emulsion with 1.7 l of water
- with ATLAS WIDE GROUT - 1 kg of emulsion with 2.0 l of water
- with screed ATLAS TEN-10 (used for contact coat) - 1 kg of emulsion with 2.0 l of water
- with screed ATLAS POSTAR 20 (used for contact coat) - 1 kg of emulsion with 2.0 l of water
- with screed ATLAS POSTAR 40 (used for contact coat) - 1 kg of emulsion with 2.0 l of water
- with screed ATLAS POSTAR 80 (used for contact coat) - 1 kg of emulsion with 2.0 l of water
- with mortar ATLAS ZW 330 (used for contact coat) - 1 kg of emulsion with 2.0 l of water

Mortar modification

Slowly add the dry mix into the emulsion solution (in ratio as listed in the Technical Data Sheet of modified product) and mix until homogenous. The modified mortar is ready to use after 10 minutes and remixing. ELASTIFIED ADHESIVE MORTAR ATLAS and ATLAS WIDE GROUT with emulsion added should be used up within 2 hours since mixing, ATLAS TEN-10, ATLAS ZW 330, ATLAS POSTAR 80, ATLAS POSTAR 40 and ATLAS POSTAR 20 just after mixing. No matter whether ATLAS ELASTIC EMULSION is added to mortar or the mortar is used unmodified, the way of its application keeps unchanged and is described in the Technical Data Sheet of a particular mortar.

Important additional information

- Clean the tools with clean water directly after use. Wash difficult to remove residues of set mortar modified with the emulsion with ATLAS SZOP agent.
- Keep out of reach of children. Follow the instructions of the Safety Data Sheet.
- The emulsion must be transported and stored in tightly sealed packaging, in dry conditions and positive temperature. Protect against overheating. The emulsion shelf life is 12 months from the production date shown on the packaging.

Consumption

The consumption of added emulsion depends on type and use of modified product and is described in its Technical Data Sheet.

Packaging

Plastic drums: 1 kg, 5 kg

Pallet: 576 kg in 1 kg drums, 540 kg in 5 kg drums.

The above information constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to engineering principles and OHS regulations.

At the time of publication of this product data sheet all previous ones become void.

Date of update: 2014-07-22



ATLAS ESKIMO – NEW FORMULA

setting accelerator for renders and paints

- enables rendering and painting at 0°C and in high air humidity (above 80%)
- accelerates coat setting time
- gives early resistance to rain
- neutral to other material properties



Use

Enables rendering and painting at 0°C – recommended during façade works in low temperature (0 – 10°C) and high air humidity (above 80%).

Types of modified materials:

- ATLAS ACRYLIC renders
- ATLAS SILICONE renders
- ATLAS DEKO M mosaic renders
- ATLAS ARKOL E and ATLAS SALTA E acrylic paints
- ATLAS FASTEL NOVA and ATLAS SALTA silicone paints.

Properties

Accelerates water evaporation from the applied render or paint – accelerates the first stage of setting of dispersion products – water evaporation from the applied material. Therefore, the second stage, consisting in binder setting and drying, can start earlier – the applied material gets resistant to rapid temperature drop and precipitation earlier (already after approx. 6 - 8 hours).

Easy in use – ready-to-use liquid admixture dosed directly to material before application on a façade; easily mixing with rendering mass or paint.

Neutral to other properties of material – does not lead to deterioration of durability or operational parameters after setting.

Does not change the colour of the applied render or paint coat.

Technical data

ATLAS ESKIMO is manufactured as yellow liquid of smell of ammonia.

| | |
|--------------------|-------------------------------|
| Relative density | approx. 1.1 g/cm ³ |
| Temperature of use | from 0°C to +10°C |

Technical requirements

The product is not classified as a construction material.

Agent use

The agent is added to render or paint directly before their application. It is recommended to observe the weight ratio of 1%, i.e. up to 0.25 kg (whole bottle) with 25 kg of render and up to 0.15 kg (3/5 of a bottle) with 10 l of paint. After thorough manual or machine mixing, the material can be applied.

Important additional information

- The substrate for render or paint must not be frozen. Recommended application and drying temperature from 0°C up to +10°C. Freshly applied material gets resistant to precipitation after approx. 6 – 8 hours, depending on ambient temperature and humidity.
- The tools must be cleaned with clean water directly after use.
- Danger. Contains the water ammonia solution CAS 1336-21-6. Causes skin irritation. Causes serious eye damage. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN: Wash with plenty of water with soap. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Immediately call a poison center or a doctor. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Follow the instructions in the Safety Data Sheet.
- Keep in tightly sealed original and labeled containers. Keep in dry and cool places, protect against overheating (> 30°C) and freezing. Protect against direct sunshine, heat sources, sparkles, flame. Shelf life in conditions as specified is 18 months from the production date shown on the packaging.

Packaging

Plastic bottle of 0.25 kg

Collective package: multipack 5 kg, pallet 300 kg

The above information constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to engineering principles and OHS regulations.

At the time of publication of this product data sheet all previous ones become void.

Date of update: 2015-12-04