



ATLATHERM



ATLATHERM FC REFRESH

Nano-Acrylic polysiloxane silicone-based paint of tri-hybrid technology for the renewal of external thermal insulation surfaces



DESCRIPTION

ATLATHERM FC REFRESH is a top-quality polysiloxane silicone-based paint, ideal for repainting thermal insulation renders. It is used for the restoration and renovation of renders, repairing discoloration, chalking, hairline cracks, pollutants, and mold. It offers excellent water vapor permeability and surface breathability, allowing rapid evaporation of rain and moisture. It forms a hydrophobic and hard surface film with unmatched resistance to weather conditions such as rain, snow, frost, intense sunlight, sudden temperature fluctuations, and humidity, maintaining the texture of the render unchanged for many years. It is self-cleaning and prevents the accumulation of pollutants and the development of fungi/mold and algae, keeping façades cleaner. Used as both paint and protection, it reduces maintenance costs due to its significantly longer lifespan compared to conventional paints. It has high solar reflectance (SR) and a high Solar Reflectance Index (SRI), helping reduce the building's carbon footprint. It is suitable for the renovation and protection of external thermal insulation surfaces, organic renders such as ATLATHERM PL ETICS, ATLATHERM PL FLEX, ATLATHERM PS FIBER and ATLATHERM PS

FIBER FLEX, as well as cement-based renders when combined with a primer.

FIELDS OF APPLICATION

ATLATHERM FC REFRESH is ideal for:

- Renovation and protection of external thermal insulation surfaces
- Organic renders: acrylic, silicone-based, and siloxane-based, such as: ATLATHERM PL ETICS, ATLATHERM PL FLEX, ATLATHERM PS FIBER και ATLATHERM PS FIBER FLEX
- Surfaces requiring high durability and long-term color stability
- Cement-based renders in combination with a primer

PROPERTIES - ADVANTAGES

- **Renewal of thermal insulation renders:** Repairs discoloration, chalking, hairline cracks, stains, and mold
- **Stain resistance:** Protects against stains, rain, mold, algae, and other microorganisms, keeping surfaces clean
- **Surface breathability and low water absorption:** Ensures quick moisture release and façade protection from water
- **Excellent resistance to extreme weather conditions:** Withstands rain, humidity, frost, snow, and extreme temperatures
Reduced maintenance cost: Longer surface lifespan, contributing to a reduced carbon footprint
- **Extended painting season:** Application even under less-than-ideal weather conditions
- **Shorter repainting time:** Touch-dry in 30-45 minutes. Recoatable after 1-2 hours
- **Easy maintenance:** Painted surfaces can be cleaned with a soft sponge and water after three weeks
- **Environmentally friendly:** Extremely low carbon footprint over its lifecycle

All technical details and advice included or indicated in this manual are the result of laboratory measurements, numerous tests, long-term research, multiple technical applications, as well as our current knowledge and many years of experience. All the above information and specifications should be considered to be indicative, as there may be discrepancies between them. The Company makes every effort to ensure the accuracy of the information provided herein. Product specifications, prices and availability are subject to change without notice and may differ from those shown. In practice, the variations in materials, substrates and on-site application conditions are such that no guarantee can be given or implied as to the marketability or suitability of materials for a particular purpose and for the exact conditions of each project. No liability whatsoever can be established against the company on the basis of the information, written instructions or any other form of instructions provided herein. For this reason, it is the responsibility of the user to confirm in advance that the material is suitable for the intended use, and consequently, the user is solely responsible for the results obtained from the use of the product. Among other things, the Company is not responsible for any normal wear and tear or damage due to environmental or other inappropriate conditions. In addition, the Company reserves the right to revise or change the data contained herein without prior notice. The limitations and disclaimers apply to the extent permitted by applicable law. The company maintains a Technical Support Department, which is the only one responsible for providing technical advice and solutions to problems. Requests to the Technical Support Department are addressed and answered only in writing. To access the latest version of the Technical Data Sheet, which replaces all previous versions, please visit our official website at www.atlacoll.gr.





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TECHNICAL CHARACTERISTICS

Property	Value	Standard / Test
Finish	Matt	
Viscosity	105 ± 5 KU	ASTM D562 (25°C)
Gloss	<5 units at 60°	ISO 2813
Density	1.37 ± 0.02 Kg/L	ISO 2811
Coverage	Two coats: 6-7 m ² /L One coat: 12-14 m ² /L	

APPLICATION INSTRUCTIONS

a) Surface Preparation

Surfaces must be clean, dry, and free from dust, mold, salts, oils, or loose materials. For optimal results, surfaces should be cleaned using a pressure washer. Any cracks and microcracks larger than 1 mm should be filled with MURAFIX acrylic putty or MURAFIX ELASTIC elastomeric acrylic putty. In case of mold, apply the fungicidal cleaning liquid FUNGITOL, wait 24 hours, then clean any mold residues, rinse the surface with water, and let it dry. For old or repaired organic renders, it is essential to apply ATLATHERM PR SILICONE diluted 10-15% by volume. For old or new cement-based renders, prime with solvent-based ELVIDUR PRIMER (diluted up to 100% with white spirit) or micronized acrylic water-based primer MURADUR UNIVERSAL MICRO PRIMER (diluted up to 50% with clean water).

b) Application

Dilute the product 10-15% with water and stir well to ensure uniform consistency. Apply 2 coats using a roller, brush, or airless spray, depending on the application needs. The second coat should be

applied after 1-2 hours. In low temperatures or high humidity, drying times will be extended. Drying time is affected by weather conditions (temperature, humidity, and wind).

DILUTION

10-15% with clean water.

APPLICATION CONDITIONS

Apply at temperatures between +5°C and +35°C and relative humidity up to 50%. Maximum application humidity: 80%.

DRYING- RECOATING

Touch dry in 30-45 minutes. Recoatable after 1-2 hours. Drying and recoating times are affected by temperature, humidity, wind, and film thickness.

RECOMMENDATIONS

Application can be completed 30-60 minutes before rain or dew, depending on the shade - at temperatures above 5°C and relative humidity between 50-70%. At lower temperatures or higher humidity, these times are extended.

Surfaces painted with ATLATHERM FC REFRESH can be washed using a soft sponge and water. For stubborn stains, use a mild, colorless detergent, after at least three weeks from application.

Cracks and microcracks larger than 1 mm should be filled with MURAFIX acrylic putty or MURAFIX ELASTIC elastic acrylic putty.

If mold is present, apply FUNGITOL fungicidal cleaner, wait 24 hours, clean any residues, rinse the surface with water, and allow it to dry.

Recover any leftover paint for future use. After application, seal the container tightly and store it appropriately.

COVERAGE

Approximately 12-14 m²/L, per layer, on properly prepared surfaces.

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SHADES

Available in white matt and tintable to unlimited shades via the ART & COLOR or COLOR CREATIONS tinting systems, using the recommended tinting base.

SHELF LIFE - STORAGE

The factory-sealed container is preserved for 18 months in a shaded, cool place, at temperatures between 5°C and 40°C. After use, reseal the container tightly and store in suitable conditions.

TOOL CLEANING

Clean tools immediately after use with water, and if necessary, with soap or a detergent solution. Do not dispose of wash water into the water table.

WASTE MANAGEMENT

Do not dispose of leftover paint with household waste or in the sewage system. Dispose of empty packaging according to local regulations. Seek advice from local authorities or national waste disposal services.

V.O.C.

EU limit value of maximum V.O.C. content (as per Directive 2004/42/EC) for the specific product (category A/c "Exterior walls of mineral substrate", Type WB): 40 g/L. The product contains a maximum of 39 g/L VOC (ready to use).

PACKAGING

White	1 lt.	3 lt.	10 lt.
Base D	1 lt.	3 lt.	10 lt.
Base TR	1 lt.	3 lt.	10 lt.

SAFETY INSTRUCTIONS

For instructions on the safe use and handling of the product, see the container label. For information and detailed precautionary instructions, please refer to the latest Safety Data Sheet which contains ecological, toxicological and other data on safety in handling the product.
Poison Center for GREECE: 210 7793 777 / for CYPRUS 1401.

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