

UNIFAS AKRIL

acrylic façade paint

CHARACTERISTICS

UNIFAS AKRIL is dispersive façade paint for painting and superficial protection of external walls of housing, industrial, sports and other facilities. It binds well to the substrate. It is consistent in changeable climatic conditions, vapour permeable and UV resistant.

Ecologic colour – very small contents of volatizable compounds (VOC contents).

COMPOSITION

Mineral fillers, water dispersion of polymer binding, thickener, pigments, additives, water.

TECHNICAL CHARACTERISTICS

Parameter	Value
Bulk density (EN ISO 2811-1)	≈1.55 g/cm ³
Contents of non-volatile substances (EN ISO 3251)	≈69.80 %
Adhesion strength (EN ISO 1542)	≥ 3.49 N/mm ²
Water absorption (EN 1062-3)	W2 (0.1-0.5 kg/m ² · h ^{0.5})
Particle size (EN ISO 787-7)	up to 100 µm
Viscosity (Brookfield test) (EN ISO 2555)	≈10500 mPa·s

SUBSTRATE PRAPARATION

Appropriate substrates are fine façades of all types (cement, cement-lime, and gypsum-lime) treated by masses for flattening, untreated concretes as well as gypsum-cardboard boards.

There is possibility of its application over the existing dispersive primers.

Cement and cement-lime mortars substrates should dry minimum 1 day for each mm of thickness (T=20°C, rel. humidity 65%), and concrete surfaces should dry at least a month.

Substrate should be hard, dry and clean with no dust, grease or oil.

It is recommended to wash it with hot water flush or vapor in order to clean it additionally.

Surfaces contaminated by algae and fungi should be rehabilitated before application of façade (entire wall surface needs to be treated by ALGOSTOP, not only locations with algae and fungi).

Before application of UNIFAS AKRIL, wall is to be treated by primer PODLOGA UNIVERSAL in similar façade color.

Drying time for key coat is 24. Afterwards, application of the first layer of UNIFAS AKRIL can start.

Alternative key coats are PODLOGA PRAKTIK or PODLOGA KONCENTRAT.

Key coat also are binding connection between substrate and used material in order to create stronger connection and decrease its consumption. Attention should be paid to possible repairs of façade surface. Roughness and absorption of these surfaces should be as similar as possible to the rest of façade surface. If not so, mentioned uneven spots shall be even more expressed.



APPLICATION

Before application, UNIFAS AKRIL is diluted with approx. 10% of water (white and light nuances) and with approx. 5% of water (darker nuances) and then homogenization is performed for entire amount by mixing in order to get appropriate consistency. UNIFAS AKRIL is applied with long-hair roller or brush in minimum two layers by equal roller moves in the same direction in order to get visually same colour. In order to avoid unevenness due to surface connections, material is applied without interruptions on continuous surfaces.

Note: If material gets diluted more than recommended, layer thickness and characteristics of the paint stated in safety data sheet are decreased.

Application of the second layer of material is applied on completely dry first layer.

Drying period between layers is from 4 to 6 hours.

Painting should be performed in appropriate climatic conditions: air and wall temperature for work and drying is from +5°C to +25°C, relative humidity under 80%. Different batches of different production date for the same nuance (including white) could be different due to natural origin of used raw materials.

For larger surfaces, we need to perform equalization (evenness) in a vessel big enough in order to avoid whiteness differences (amount of paint necessary for total surface should be ordered at once not partially).

In application, dilution and adding toners is not to be performed.

If we take into consideration a multi-floor facility, façade is applied without interruptions on one side of the facility starting from upper to lower floors. Use protective curtains for scaffolding during application. Avoid working in wind, rain, fog or direct sunlight. Paint which was not diluted with water and is in original, well-sealed and undamaged package, it could be left for additional use. Wash tools with water immediately after use.

FAÇADE MAINTENANCE

- By periodical (regular) maintenance of façade surfaces of thermal insulation system, getting dirty and humidity presence is decreased to minimum and we get fresher appearance of the finishing coat in order to achieve fresher appearance of finishing coat.

Façade could be treated by non-abrasive substances with warm water or water flush. If washing is done by water flush, ensure distance between flush and wall in order not to damage superficial façade coat.

Regular façade maintenance decreases possibility for occurrence of algae and fungi.

Critical spots for occurrence of algae and fungi are facilities close to woods, rivers, areas with high air humidity value, valleys etc.

Microorganisms mostly occur on north and west side.

Occurrence of algae and fungi on façade could be caused by badly performed construction designs: too small roof overhangs, bad drainage, absence of drainage around the facility etc.

In order to decrease the risk from microorganisms' occurrence, the following should be done:

- Ensure good quality drainage of the facility
- Drainage control
- Snow clearance
- Regular washing of façade surfaces etc.



Contaminated surfaces should be treated by Algostop per instructions. Afterwards, it is recommended to apply façade color with biocide added for protection of dry film. Protection by biocide is decreased during the time so it cannot be guaranteed that microorganisms would not reappear after certain time.

It is important to stress that occurrence of microorganisms could only be slow down, but not prevented completely!

Spiders and insects often occur on thermal insulation system. Use of biocide substance does not affect their occurrence, so this needs to be cleared by non-abrasive substances or water.

According to aforementioned, we can conclude that façade needs to be maintained as stated.

It is important to stress that occurrence of microorganisms (algae, fungi), spiders, insects etc. is esthetic problem only and this does not affect functionality of thermal insulation system, so it cannot be reason for complaints on the quality of the same.

CONSUMPTION

1l ≈ 4-5 m² for two layers

PACKAGE

Plastic bins 2l; 5l; 15l

LIFETIME

18 months in original, well-sealed and undamaged package.

WASTE TREATMENT

Pursuant to the Law on waste management ("Official Gazette of the Republic of Srpska", number 111/13 and 106/15), Rulebook on waste categories, tests and classification ("Official Gazette of the Republic of Srpska", no. 19/15), acrylic façade paint is classified as waste with the following classification number

17 09 04 (mixed waste from construction and demolition other than those listed in 17 09 01, 17 09 02 and 17 09 03).

Contaminated waste should be delivered to waste management authority.

LABELLING

Pursuant to Regulation (EC) No. 1272/2008 classification, labeling and packaging of substances and mixtures, product is not classified as hazardous.

Information on emissions of volatile organic compounds:

VOC: A(c), 40 g/l; Product contains max. 40 g/l





Supplemental hazard information:

EUH208- Contains (Mixture 5-Chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (EC: mixture; CAS: 55965-84-9)). May produce allergic reaction.

Precautionary statements:

P102 – Keep out of reach of children

P103 - Read label before use

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P501 – Disposal of contents /container in accordance with local/ national/regional/international regulations.

STORAGE

Store it in dry and dark rooms in temperature from +5°C to +25°C.

Protect from direct sunlight.

Do not allow to freeze!

QUALITY CONTROL

Parameters of the product quality are defined pursuant to internal product specifications. Achieving declared values is ensured by integrated system of quality management ISO 9001. Verification of declared and limit values are achieved through tests in certified laboratories. Significant importance is paid to protection of environment through integrated system of quality of environmental management ISO 14001.

OTHER INFORMATION

Color palette was performed through screen printing. Hence, there is possibility in color discrepancies on the facility depending on weather working conditions, type of substrate, granulation, application technique, light and similar. It is recommended to test the color on a smaller surface before the works start in order to check the nuance when dry. It is important to mention that in additional order of the same color here could be smaller discrepancy in comparison to the first order, so it is recommended to mix the additional order with the first one and, if possible, to apply it to separate surface. If the color nuance is prepared in mix system, it is recommended to mix number of bins necessary for one surface in order to be sure to have identical nuance. Aforementioned discrepancies are not considered to be lacks and cannot be subject to complaints.

In thermal insulation systems, selection of nuance is very important. Reflection of sunlight should be taken into account. Application of materials with values under 30% on thermal insulation systems is not recommended.

In case application or esthetic lacks are noticed in installation, contractor is to stop the works immediately and duly inform the producer, who, hence, shall deal with complaint.

If a larger part of whole of amount of material is applied, complaint is not possible.





TECHNICAL DATA SHEET TL.C.07.01

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It is understood that contractor is aware of product characteristics and the way of its application.

Company Colorit doo shall not assume the damage caused due to contractor's unprofessionalism, wrong application or wrong choice of product for given purpose.

Technical Data Sheet is meant for guideline in order to achieve the best results in application only.

