

AKRONAL

Concrete paint

CHARACTERISTICS

AKRONAL is dispersive paint for painting and superficial protection of vertical external concrete surfaces as well as other cement bound façade surfaces. It could also be used for dust protection on floor, cement bound surfaces, which are not exposed to heavy loads and wears (cellars in housing buildings, pantries etc.), in general, places where people occasionally walk and pass-by, and not the places where vehicles, fork lifters and similar move whatsoever.

Good adhesion to the substrate, constant in changeable climatic conditions, vapour permeable and resistant to UV radiation.

It is available in 10 basic nuances (white, yellow, ocher, red, oxide-red, green, blue, brown, grey and black) as well as in nuances according to Colorit colour chart.

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)	≈1.47 g/cm ³
Contents of non-volatile substances (EN ISO 3251)	≈61.50 %
Viscosity (Brookfield test) (EN ISO 2555)	≈7000 mPa·s
Particle size (EN ISO 787-7)	do 100 µm
Adhesion strength (EN ISO 1542)	≥ 1 N/mm ²
Water absorption (EN 1062-3)	< 0.1 kg/m ² · h ^{0.5}
Speed of vapour transfer, Sd (EN ISO 7783)	< 5 m. Class I
Penetration (EN 14630)	> 5 mm

SUBSTRATE PRAPARATION

Substrate needs to be prepared in a quality manner, to remove soft connected parts, grease, dirt, remaining of formworks oils etc. Soft surfaces should be removed. Surfaces infected by algae and fungi should be cleaned before application of the paint. (whole wall surface, not only spots algae and fungi infested, should be treated with ALGOSTOP).

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.

Soft concrete surfaces should be coated by key coat PODLOGA KVARC.

Alternative key coats are PODLOGA UNIVERSAL or PODLOGA KONCENTRAT.

Listed key coat also are binding connection between substrate and used material in order to create stronger connection and decrease its consumption.



**APPLICATION**

AKRONAL is diluted with max 10% of water and then homogenization is performed for entire amount by mixing in order to get appropriate consistency. AKRONAL is applied with long-hair roller or brush in minimum two layers. In order to avoid unevenness due to surface connections, material is applied without interruptions on continuous surfaces.

Note: Adding water for dilution decreases paint coverage.

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

Drying period between layers is from 4 to 6 hours. ($T=20^{\circ}\text{C}$, relative humidity 65%). Works should not be performed in windy, rainy weather and in direct sunlight. Use protective curtains. Optimum air and wall temperature for work and drying is from $+5^{\circ}\text{C}$ to $+25^{\circ}\text{C}$, relative humidity under 80%. Avoid working in wind, rain, fog or direct sunlight. Wash tools with water immediately after use.

Paint which was not diluted with water and is in original, well-sealed and undamaged package, could be left for additional use.

CONSUMPTION

1 kg \approx 2.5-3 m² for two layers

PACKAGE

Plastic bin 1 kg; 5 kg; 25 kg

LIFETIME

24 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), concrete 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



TECHNICAL DATA SHEET TL.C.10.01

Date of issue: January 5, 2016

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

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

Different batches of different production date could be different in whiteness due to natural origin of used raw materials. 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).

Color palette was performed through screen printing. Hence, in product application on various surfaces, there is possibility of nuance discrepancies from the color palette; however, this cannot be subject to claim.





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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.

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.

Read safety data sheet before use of product.

