akurit FDK

Dark finish

pure acrylate colour with IR technology, matt

- reduces surface temperature on dark colours
- high-cover, with film encapsulation protection
- increased resistance to cracks forming in substrate

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Neu!

Applications

- for reduction of solar heating on dark surfaces
- for heat-reflecting paints on mineral and organic substrates on AKURIT thermal insulation composite systems
- for colour-intensive paints
- for external use

Properties

- IR reflecting components reduce solar heating of facade surfaces
- texture-retaining
- with encapsulated film protection against algae and mould infestation
- highly water-repellent
- water vapour permeable
- alkali resistant
- very high adhesion
- very high coverage
- particularly for intensive colour tones

Appearance

- coloured
- colours: in accordance with ColorPoint 20.10 colour palette

Substrate

General

- Mineral-based and organic-bound substrates

Condition / Testing

- Substrate should be appraised taking into consideration the instructions of the German Construction Contract Procedures (VOB) part C, DIN 18363, the BFS-data sheet no. 10 and the manufacturer'sspecifications.
- The substrate must be dry, load-bearing, clean, dust-free and free of adhesion-reducing residues, release agents, efflorescence and sintered coatings.
- Test existing coatings for load capacity (e.g. carry out peel-off or cross-cut test).
- Damp or incompletely-adhered substrates can lead to damage in the subsequent coatings.

Pretreatment

- Non-load-bearing coatings must be completely removed.
- Depending on the type and condition of the substrate, a reinforcing or absorbency-regulating primer may be required.
- The use of absorption-regulating and adhesion-promoting primer is recommended on mineral substrates.
- Algae and mould-affected facade surfaces must be cleaned carefully by jet washing before applying any further coating. The dry surface areas should be treated depending on the extent of the mould 1 - 2 times with AKURIT APE Algae and Pilz-EX.

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Processing

Temperature
- Do not process or allow to dry out at air, material or substrate temperatures below +5°C, or if there is a risk of exposure to night frost, or at temperatures above +30°C, or in direct sunlight, or on heated up surfaces, and/or in windy conditions.
- In cold, wet weather conditions in autumn and spring, the product can be combined with akurit FTB FixUP drying accelerator to increase the early rain resistance. The separate Technical Data Sheet must be observed.

Mixing / Preparing / Processing
- Stir product well before use.
- Depending on the substrate, adjust to working consistency as required with maximum 5% clean tap water.
- Do not dilute intensely colour toned material. If essential, use a little water only. Too much dilution affects the characteristics of the material, e.g. with regard to usability, coverage and colour tone intensity.

Applying / Processing / Assembling
- Apply material evenly and smoothly (paint, roller or airless spraying) to the substrate.
- Use product for preliminary and final coat.
- Allow adequate drying times between layers.

Drying / Hardening
- If the weather conditions are unfavourable (e.g. driving rain, frost, strong sunlight and/or winds), then suitable protection measures must be taken, particularly in the case of freshly coated surfaces.
- The coating is dry to the touch and can be re-treated after approx. 8 hours drying time (at +20 °C and 65% relative humidity).
- Rainproof after approx. 24 hours (at +20 °C and 65% relative humidity).
- Low temperatures and/or high humidity will delay drying, while high temperatures and/or low humidity accelerate it.

Tool cleaning
- Clean all tools and equipment with water immediately after use.

Notes
- Observe the leaflet: “Egalisationsanstriche auf Edelputzen” (Colour-balancing paint on finish plaster) from the Industrieverband WerkMörtel e.V.
- Check the colour tone accuracy before treatment, in order to detect tint errors promptly (BFS data sheet 25). Compare with colour sample or reference surfaces.
- The special recipe with NIR-technology can lead to slight colour differences compared with standard colour tones.
- The light reflectance value of the final coat in thermal insulation composite systems may not fall below 20.
- Not suitable for horizontal or inclined surface areas exposed to the elements.
- Premature exposure to damp can lead to concentrated or partial release of water-soluble wetting agents from the coating. The superficially shiny and/or colour-tone varying wash-outs are water-soluble and will wash off again automatically.

Packaging

- 5 l/bucket
- 12.5 l/bucket

Storage

- Store in the original, unopened packaging in dry, frost-free conditions.
- Protect against direct sunlight.
- Can be stored for at least 12 months in sealed original container.

Quantity required / Yield

- consumption: approx. 0.15 – 0.20 l/m² per application

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Technical Data

Density	1.3 – 1.5 g/cm³
Diffusion-equivalent air layer thickness (s_D-value)	1.1 m V2 (medium)
Water permeability rate w	< 0.05 kg/(m²h$^{0.5}$) W3 (low)
Water vapour diffusion resistance μ	6500 averaged value
Gloss	G3 (matt)
Dry layer thickness	170 µm 100 µm < E3 ≤ 200 µm
Grain size	< 100 µm S1 (fine)

All data are average values that were determined under laboratory conditions according to relevant test standards and application tests. The technical data are based on a double coat. Deviations are possible under practical conditions.

Safety and disposal instructions

Safety

- Contains the preservative 1.2-benzisothiazol-3(2H)-one, mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). Can trigger allergic reactions.
- Follow further instructions in the safety data sheet.
- VOC content:
  EU limit value for this product (product category A/c): 40 g/l
- This product contains 29.3 g/l VOC.

GISCODE

- BSW50 (coating materials, water-based, solvent-based, film-protected)

Disposel

- Dispose of the material in accordance with the official regulations.
- Completely empty and recycle the packaging.

General notes

This information sheet provides only general recommendations. Should you have any queries relating to a specific application, please contact our technical sales advisor or call our hotline: +49 541 601-601. All of the details given are based on our current knowledge and experience and on the assumption that the materials are professionally applied and used for their normal purpose. All of the details are non-binding and do not release users from their duty to undertake their own tests to ensure suitability for the intended application. Due to the effects of different weather, processing and construction site conditions, no guarantee can be given for the general validity of all details. We reserve the right to make changes as a result of further development of the product and applications engineering. The general rules for construction engineering, the valid standards and guidelines, and the technical working guidelines must be observed. The publication of this technical data sheet renders all previous editions of this data sheet void. Please obtain the latest information from our website.

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