

# akurit IRS

Raum Rigid

## interior dispersion paint, dull matt

- high whiteness, dull matt, very good coverage
- coverage 1 and wet-scrub resistance 2
- very good filler
- solvent and plasticiser-free
- low emission
- free from fogging-active substances



## Applications

- coating with high coverage on mineral and organic substrates
- dispersion paint according to DIN EN 13300 for wall and ceiling surfaces
- as single layer dispersion paint
- for interior use

## Properties

- high filling and covering power
- water vapour permeable
- very high adhesion

## Appearance

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

## Substrate

### Suitable substrates

- 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's specifications.
- 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.
- Prime extremely or variably absorbent substrates with AKURIT GTA acrylate deep primer.
- Primers may not form a gloss layer.

### 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.

#### 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 cross-wise with paint roller or brush.
- Can be alternatively applied with an appropriate airless-appliance.
- Use product for preliminary and final coat.
- The following parameters are recommended for airless application: Spray angle 50°; Nozzle 0.018"-0.026"; Spray pressure 150-180 bar
- Allow adequate drying times between layers.

#### Drying / Hardening

- 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).
- Low temperatures and/or high humidity will delay drying, while high temperatures and/or low humidity accelerate it.
- Through-dried and load-bearing after approx. 3 to 4 days.

#### Tool cleaning

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

#### Notes

- 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.
- Optically related areas must be prepared with material from the same production batch to prevent colour differences.
- Carefully cover adjacent surfaces and components (e.g. windows, window sills, etc.). Wash off contamination immediately with water.

### Packaging

- 12.5 l/bucket

### Storage

- Store in the original, unopened packaging in dry, frost-free conditions.
- Protect against direct sunlight.
- Seal opened container well and use up within a short period.
- Can be stored for at least 12 months in sealed original container.

### Quantity required / Yield

- consumption: approx. 0.13 – 0.15 l/m<sup>2</sup> per application

### Technical Data

<b>Density</b>	1,4 – 1,5 g/cm <sup>3</sup>
<b>Wet abrasion resistance</b>	Class 2 according to DIN EN 13300
<b>Coverage</b>	Class 1 according to DIN EN 13300
<b>Gloss</b>	dull matt according to DIN EN 13300
<b>Yield</b>	7 m <sup>2</sup> /l according to DIN EN 13300
<b>Water vapour diffusion resistance <math>\mu</math></b>	297 averaged value
<b>Diffusion-equivalent air layer thickness (<math>s_{D-value}</math>)</b>	0.10 m V1 (high)
<b>Grain size</b>	< 100 $\mu$ m S1 (fine)

All data are average values that were determined under laboratory conditions according to relevant test standards and application tests. Deviations are possible under practical conditions.

### Safety and disposal instructions

#### Safety

- In the event of contact with eyes or skin, immediately rinse thoroughly with water.
- Includes the preservatives 1,2-benzisothiazol-3(2H)-one and 2-methyl-2H-isothiazol-3-one. Can trigger allergic reactions.
- Follow further instructions in the safety data sheet.
- VOC content:  
EU limit value for this product (product category A/a): 30 g/l
- This product contains 0 g/l VOC.

#### GISCODE

- BSW20 (coating materials, water-based)

#### Dispose

- 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.