

# DAKORIT® Ruflex 20D

Roof coating for the waterproofing of roof areas, coloured, elastic



These pictograms apply to the **basic product**.  
Deviations are possible depending on the area of application  
and processing.

## PRODUCT INFORMATION

### Description

DAKORIT® Ruflex 20D is a pasty, plasticizer-free, self-crosslinking acrylate dispersion in 3 colors. It is resistant to ageing and has very good resistance to UV radiation, diluted acids, alkalis and de-icing salts. It is resistant to flying sparks and radiant heat. Light shades reduce the thermal load on the entire roof surface and the rooms below by reflecting up to 70 % of solar radiation.

### Application

- on bituminous materials, concrete, brick, various metals and plastics
- for the preventive protection and restoration of dry or slightly damp roof surfaces

### Operational area

- Flat roofs, galvanized sheet metal roofs, fibre cement sheets
- Pitched roofs made of concrete and tiled roof tiles

### Properties

- weather-resistant
- good adhesion
- highly elastic
- colored
- water vapour permeable

## Technical Data

Available container sizes	25kg/PE bucket
Shade/color tones	anthracite, pebble grey, brick red
Density	approx. 1.4 kg/l
Processing temperature	+5°C up to +35°C
Heat resistance	> +150 °C
Cold fracture (25 mm mandrel)	- 20 °C
elongation at break	approx. 195 %
Tensile strength	maximum 1.43 N/mm <sup>2</sup>
Crack bridging capacity	> 2 mm (at 1.5 mm layer thickness, without fabric insert)
Impermeability	> 1 bar / 24 hours (according to AIB)
Water vapour diffusion resistance $\mu$	approx. 1320
Drying time	dust-dry after approx. 1 hour <sup>1)</sup> (with 1 mm layer thickness on concrete)
Rain resistance	after approx. 5 hours (application quantity 1 kg/m <sup>2</sup> ) <sup>1)</sup>
Fully hardened and resilient	after 12 – 24 hours <sup>1)</sup>
Storage	frost-free, 12 months
Consumption	approx. 1.5 kg/m <sup>2</sup> on flat roofs per coat approx. 2.5 kg/m <sup>2</sup> in two layers with DAKORIT DV110 89V approx. 0.3 kg/m <sup>2</sup> on roof tiles (pitched roof) approx. 0.5 – 1 kg/m <sup>2</sup> on fiber cement roofs

<sup>1)</sup> At +20 °C and 60 % relative humidity

## SUBSTRATE

### Properties/tests

- The substrate must be clean, free of loose particles and moss and may be dry or slightly damp.

### Preparation

- Remove dirt deposits by steam blasting or mechanically.
- Remove existing bubbles from old bitumen waterproofing.
- Pre-treat all roof surfaces with VESTEROL TG 10D.
- Treat fiber cement roofs particularly thoroughly with VESTEROL TG 10D to bind loose fibers to the substrate.

## AREAS OF APPLICATION AND PROCESSING

### Applying

- Apply with a roller, brush or by airless spraying in a layer thickness of 1 to 2 mm.
- In areas at risk of cracking and on roof surfaces subject to particular stress, two coats are required, with DAKORIT DV110 89V being worked into the first coat.
- The second coat is applied after the first has completely dried.

## NOTES

### Cleaning

- Clean tools immediately after use with water.
- Fresh material can be washed off with water, dried material can only be removed mechanically.

### System products

- DAKORIT® DV110 89V
- DAKORIT® ES 40B
- VESTEROL® TG 10D



## To be observed

- Roofs with poor drainage (puddling) are likely to have increased deposits of dust, leaves, plant seeds and the formation of algae and moss. When the puddles dry out, high surface tensions occur due to the shrinking of the swollen deposits. This results in cracks (notch stresses), which can be transferred to the waterproofing layers below. These roof areas are “particularly stressed areas” which must be treated accordingly.
- In the case of bitumen roofs that have been coated with hot bitumen and where bitumen swells out strongly in the seam area, severe cracking may occur due to the thermoplasticity of the bitumen. Plan for a higher application quantity. If the rainwater that accumulates on the roof surfaces is used exclusively for watering garden plants, it should not be used for about 3 months after new coatings have been applied.
- Maintain a processing temperature of +5 °C to +35 °C.
- High humidity and low temperatures extend the drying times.
- Processing must be discontinued in damp weather and rain.

## Ingredients

- Synthetic resin dispersion
- Color pigments
- functional fillers

## Occupational safety / Recommendation

- Further information on safety during transportation, storage and handling can be found in the current safety data sheets. Cleaning work on old asbestos cement roofs is not permitted in accordance with TRGS 519.

## Disposal

- The following applies to all systems: Only return empty containers to recycling partner Interseroh. Cured product residues can be found under the waste code in accordance with the Waste Catalog Ordinance 08 04 10 (waste adhesives and sealants with the exception of those mentioned in 08 04 09).

## Producer

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The statements are made based on extensive tests and practical experiences. They cannot be applied to every application case. Therefore, we recommend carrying out application trials if necessary. Subject to technical changes in the course of further development. Furthermore, our General Terms and Conditions of Business apply.