

Solvent-free, highly elastic, coloured roof coating for sealing roofs.

With official proof certificate

Characteristics

DAKORIT® Ruflex 20D is a pasty, unplasticised, self-crosslinking acrylic dispersion in 4 colours. It is resistant to ageing and has very good resistance to UV radiation, diluted acids, alkali solutions and de-icing salts. It is resistant to flying sparks and radiant heat. Light colours reduce the thermal load of the overall roof area as well as the rooms underneath by reflecting up to 70 % of solar radiation.

- Weather resistant
- Good adhesion
- Highly elastic
- Coloured
- Water vapour permeable

Use

DAKORIT® Ruflex 20D for preventative protection and for renovation of dry or slightly moist roof areas. Used on bituminous materials, concrete, roof tiles, various metals and plastics.

Applications:

- Flat roofs, galvanised sheet metal roofs, fibre reinforced cement tiles
- Concrete and clay tiled pitched roofs

Specifications

Packaging	PE bucket
Pack	25 kg
Supply	16 packs/pal.
Colours	brick red, anthracite, green, pebble grey
Density	approx. 1.4 kg/l
Working temperature	+5 °C to +35 °C
Heat resistance	> 150 °C
Low temperature fracture (25 mm spike)	-20 °C
Elongation at +20 °C	195 %
Max. tensile strength at +20 °C	1.43 N/mm ²
Crack bridging at 1.5 mm coating thickness:	
-without woven fabric insert	>2 mm
Tightness acc. to AIB	>1 bar/24 hrs
Vapour diffusion resistance factor μ	1,320
Drying times at 1 mm coating thickness on concrete:	
Dust dry ¹⁾	after 1 hr
At 1 kg/m ² applied quantity:	
Rainproof ¹⁾	after approx. 5 hrs
Completely dry and load bearing ¹⁾	after 12-24 hrs
Storage	frost-free 12 months

Quantity required

Flat roofs per coat	1 - 2kg/m ²
For 2 coats with non-woven fabric insert	approx. 2.5 kg/m ²
Roofing tiles (pitched roofs)	approx. 0.3 kg/m ²
Fibre reinforced cement roofs	0.5 – 1 kg/m ²

¹⁾At +20 °C and 60 % relative humidity.



Preparation of the surface

The substrate must be clean, free from loose elements and moss growth, can be dry or slightly moist. Remove dirt deposits mechanically or by steam cleaning. Remove any bubbles from old bituminous sealants. Pretreat all roof areas with **VESTEROL® TG10D**. Treat fibre reinforced cement roofs particularly thoroughly with **VESTEROL® TG10D**, to bind any loose fibres to the substrate.

Application

1. Use a roller, brush or airless spray gun to apply in a coating thickness of 1 to 2 mm.
2. In crack prone zones and particularly stressed roof areas, it will be necessary to apply two coats, embedding **DAKORIT® DV110 89V** into the first coat.
3. Apply the second coat after the first coat is completely dry.
4. Clean tools with water immediately after use.

Precautions

The fresh coating is water soluble and must be protected from rain.

On roofs with poor drainage (puddle forming), increased accumulation of dust, leaves or plant seeds, algae and moss growth is to be expected. When puddles dry up, high surface stresses occur due to shrinkage of the swollen deposits. Cracks occur (notch stresses) which may pass through the sealing layers underneath. These roof areas belong to the "particularly exposed areas" that require suitable treatment.

In the case of bituminous roof, which have previously been hot bitumen coated and which has excessive oozing bitumen at the joints, severe cracking may occur due to the thermoplasticity of the bitumen. Be prepared to apply large amounts.

If rainwater from the roof area is then used for watering garden plants, it should not be used for that purpose for about 3 months after the roof is newly coated.

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DAKORIT® DV110 89V
DAKORIT® ES 40B
VESTEROL® TG10D

Recommended spraying devices

Use a reversible nozzle attachment to the spray gun for better handling.

Important notes

- Maintain a working temperature of +5°C to +30°C.
- Fresh material can be washed off with water, dried out material can only be removed mechanically.
- High relative humidity and low temperatures increase drying times.
- Work will have to be suspended in damp weather or in rain.
- Collected rainwater can be used again after 3 months.

Ingredients

Polymer dispersion, colour pigments, functional fillers

Safety provisions/recommendations

For detailed information regarding safety during transport, storage and handling, refer to the updated safety data sheet.

Cleaning work on old asbestos cement is not allowed according to TRGS 519.

Disposal

The local waste removal regulations must be observed.

Manufacturer

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