

Liquid plastic for seamless, elastic roof waterproofing

European Technical Approval Guideline ETAG 005



Characteristics

DAKORIT® PUR1K 30P is a ready-to-use, roof sealant to be applied in liquid form. In combination with air humidity the coating dries into an elastic, vapour permeable, crack bridging and weather resistant roof skin.

- Elastic
- Walkable
- High UV reflection
- Weatherproof
- Flexible at low temperatures
- High solid content

Use

DAKORIT® PUR1K 30P is applied in connection with a fleece reinforcing core for renovating and waterproofing flat roofs and in particular in adjoining areas. Suitable are almost all substrates such as: Bitumen sheeting, polymeric waterproofing sheets (after previous checking), concrete and screed as well as metals.

Applications:

- Flat roofs in residential and industrial sectors
- New build and restoration
- Balconies, patios and terraces, covered walks in the HADALAN® system
- Connections
- For waterproofing roofs as well as balconies, loggias, and access walkways as per DIN 18531 (parts 1-5)

Specifications

Packaging	Metal bucket
Pack	17 kg / 7 kg / 3.5 kg
Supplied	30 / 72 / 96 packs/pal.
Colour	silver grey
Density	1.5 kg/l
Working temperature	+5 °C to +30 °C
Low temperature fracture (25 mm spike)	< -30 °C
Elongation at break in the system	approx. 55 %
Tensile strength in the system	approx. 6.5 N/mm ²
Solids content	> 90 %
Walkable ¹⁾	after approx. 1 day
Completely hardened ¹⁾	after approx. 2 days
μ value	2310
s _a value	3.97 m
Storage	cool, 9 months

Quantity required

Depending on exposure and substrate	2.5 - 3.5 kg/m ²
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¹⁾At +20 °C and 60 % relative humidity.

Preparation of the surface

The substrate must be dry, clean, have a capacity to bear load, and be clean and free of adhesion-reducing substances. Close larger cracks with **DAKORIT® ES 40B**. Heat-seal open overlap joints of bitumen sheeting or glue with **DAKORIT® ES 40B**. With foil roofs, check the compatibility beforehand. Pre-treat absorbent mineral substrates with **DAKORIT® PUR1K 30P** diluted with water of 2 : 1 with **HADALAN® EPV 38L**. Coating can take place after > 6 < 24 h. Alternatively, absorbent substrates may be primed with **HADALAN® HV Uni 30DD**. Here, the coating can be applied after an airing time of 20 minutes.

The following sheeting material must be pre-treated with HADALAN® HV Uni 30DD before starting the coating work.

EVALON
VAE PLAN Type F
Ammann Type CB-1,8 mm TPO-E-GV
Saar Gummiwerke SG tan
FDT Repanol fK

Pre-treat the following sheeting material with DAKORIT® HG1 31H prior to the coating work.

FDT Rhenofol CG
Sika SLP-15 G
FDT Rhepanol f
Bauder FPO T-SV 15
Bauder Thermofol D 15
Sarnafil T
RESITRIX SK, -SK P, -SK W, -MB, -CL
Sintofoil TOP
Firestone RubberGard

On substrates not listed here, carry out a preliminary test. Please talk to our application technology department.

Application

Stir the product well before applying.

1. Metal connection plates, cap flashings, penetrations and metal covers (iron, stainless steel, aluminium, copper, zinc) as well as various plastics should be primed with **HADALAN® HV Uni 30DD** bonding agent (see technical data sheet). The primed surface can then be coated after 20 minutes drying time.
2. First spread about 1.5 kg/m² of **DAKORIT® PUR1K 30P** with a rubber wiper, section by section, and then roll on evenly with a wool roller. Be sure to apply enough of the product so as to be able to properly bed in the non-woven fabric.
3. Embed **DAKORIT® DV110 89V**, without creasing, into the fresh coating. Allow an overlap of at least 5 cm on the non-woven fabric lengths. To protect the fabric lengths from rain or condensation, roll a thin coat over them immediately after bedding them in.
4. After the first coat has completely dried, apply the final coat, again using approx. 1.5 kg/m² of **DAKORIT® PUR1K 30P**.

By adding the reaction accelerator **DAKORIT® Speed Up** you can considerably speed up the setting process. Please refer to the relevant data sheet.

Precautions

Maintaining the roof waterproofing requires care and maintenance measures. We recommend cleaning regularly and maintaining the roof surfaces, if required (see DIN 18531-4).

The liquid foil may be freely exposed to the weather. Surface protection by splintering, gravel layers or similar is not required.

Layers or coats preventing the drainage of the roof are not permissible.

Balconies, terraces and access walkways require coating with **HADALAN® MST 89M** to protect the sealing from damage. When sealing below pile foundations (no concrete sacks) it must be ensured that the sealing is not damaged and water can drain away.

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DAKORIT® DV10 89V
DAKORIT® ES 40B
HADALAN® HV Uni 30DD
DAKORIT® HG1 31H
HADALAN® EPV 38L
DAKORIT® Speed Up

Important notes

- Maintain a working temperature of +5 °C to +30 °C.
- Protect DAKORIT® PUR1K 30P from rain while drying.
- **DAKORIT® PUR1K 30P** is not suitable as sealing below extensive vegetation.
- Do not apply the product during periods of high condensing humidity.
- Clean tools after use with **HADALAN® EPV 38L**. Completely hardened material can only be removed mechanically.
- Packs which have been reclosed can only be kept for a limited period of time.
- **DAKORIT® PUR1K 30P** contains solvent which may cause odour nuisance during application and until it is completely dry.
- Take appropriate precautionary measures.

Ingredients

Polyurethane resin, aluminium flakes, solvents, additives, functional fillers

Safety provisions/recommendations

Detailed information on safe transport, storage and handling can be found in the current data sheets.

Disposal

The local waste removal regulations must be observed.

Manufacturer

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This information is based on extensive tests and practical experience. However, it cannot be applied to every type of application. If in doubt, we recommend that you test the product before using it. Due to continuous product improvement, this information is subject to change without notice. Our General Terms and Conditions apply.
Version as of 12.2020