

DAKFILL

NEW

*ALL ROOFS 100%
WATERPROOF*



Dakfill is a semi-liquid, ready to use, waterproof roof coating product that is easy to apply by brush, roller or airless spray. Suitable for roofs, gutters and flashing, as well as weathered tiles and slate, Dakfill is 100% waterproof and even after ageing is still 350% elastic. On drying, Dakfill forms a simple, seamless, rubber like layer



providing the ideal roof protection even on flat roofs with standing water, where it will withstand rain, heat, frost, pollution, extreme temperature fluctuations and exposure to UV light. From Scandinavia to the Tropics, Dakfill has been officially approved and recommended. It has been used in 51 countries and after tests in the Coatings Research Institute the following conclusion was reached. The Dakfill system can be applied to aged asbestos cement.

Paco systems

Tel: 01626 207064

Fax: 08712 424345

info@paco-systems.co.uk

www.paco-systems.co.uk

DAKFILL: TESTS OF RESISTANCE AND QUALITY

Tests prove it

Dakfill New is the ideal roof coating. Dakfill New meets the most stringent requirements in the field of roof waterproofing. The Dakfill sealing system was subject to a number of stringent tests by TNO, CORI, OREX, The National Institute for Material Research and the laboratories of Bureau VERITAS in Paris.

100% Waterproof

Dakfill New is the ideal roof cover, even for roofs on which rainwater lies for a long time. This is the result of a test during which Dakfill New was immersed in water continuously for 12 months. At the end of the test, no damage was observed!

Extremely durable.

Even after exposure to UV rays, rain, heat, frost and pollution for years, Dakfill retains its original properties provided it is correctly applied.

Water vapour permeability

The water vapour permeability of Dakfill New is exceptional (20 times that of bituminous materials).

Resistance to ageing (UV)

The ageing properties were determined on a film of Dakfill exposed to 2000 hour Xenotest 150 (UV rays) according to ISO 4892 specifications.

The tests proved that Dakfill New will withstand stretching by more than 350% after ageing without the coat showing any cracks or tears (coat thickness 1.2 mm).

Climatic resistance

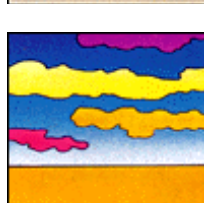
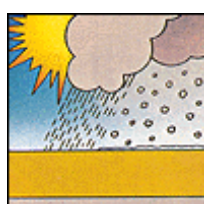
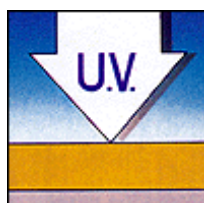
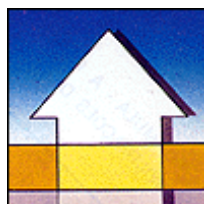
Dakfill New was successively exposed to extremely high and low temperatures for 5 hours (+120°C and -30°C). There was no visible damage after the tests, showing the resistance to thermal shock and temperature extremes.

Self extinguishing.

Applied to a test roof, Dakfill met the specifications of DIN 4102 and NEN 3883. Dakfill is resistant to the effects of "flying fire" and does not melt from the heat.

Chemical resistance

Dakfill is resistant to both atmospheric pollution and acid rain.



DAKFILL NEW IN PRACTICE

Easy to apply, on all types of roof with no fire risk.

Application

Ensure the substrate is clean and dry, free from loose material, grease and other contaminants. Repair joints and cracks and apply the appropriate base coat.

Apply Dakfill New while dry and while the temperature is above 5°C, ensuring there is a breeze and/or sunshine to facilitate rapid drying.

Dakfill Fleece reinforcement.

A reinforcement fleece is recommended on roofs where there is a likelihood of standing water or the slope is less than 5% or there is a chance of substrate movement.

Technical Data

Dakfill New consists of high quality water borne polymers and is packed in 1, 5 & 25 Kg packs in a range of colours and Dakfill fleece is available in 100m rolls in various widths. Dakfill New is free from tar, asphalt and solvents, and can be overcoated with PRT for example.

Shore hardness: 70 (ASTM standard D2240 type A—after ageing).

Specific gravity: 1.5

Clean tools with water.

Store in a frost free environment.

Paco systems

Tel: 01626 207064

Fax: 08712 424345

info@paco-systems.co.uk

www.paco-systems.co.uk

DAKFILL

DESCRIPTION

Waterproofing product based on water dispersed acrylic resins.

APPLICATION

Waterproofing system for roofs, chimney slabs, etc

FEATURES

Super elastic, 350% even after ageing.

100 % waterproof

Vapour permeable

Excellent resistance to extreme variations in temperature, atmospheric pollution and UV-rays.

On drying it forms an abrasion resistant rubber like coat without joints or seams that is hardly flammable and is self-extinguishing.

Additionally it can be reinforced mechanically with Dakfill-fleece.

TECHNICAL DATA

Binder:	plasticized styrene acrylic resins
Finish:	matt
Gloss (60°):	± 8
Colour (s):	pearl grey - red - terracotta - green - black - white (See colour chart)
Solids content (ASTM, D1644/a):	by volume: 57 - 60 % by weight : 71 - 74 %
Density (ASTM, D1475, 20°C):	1,49 - 1,55 g/cm ³
VOC-content:	0 g/l (Volatile Organic Compounds)
Coverage:	
1. Coverage per coat:	0,6 - 1,5 kg/m ² (dependent of the substrate).
2. Steep roofs (without fleece):	1,3 - 2,5 kg/m ² .
3. Roofs with a little slope (with fleece):	2,5 - 3 kg/m ² (water stagnation).
Thickness	wet film: ± 1000 micron (cons.: 1,5 kg/m ²) dry film : ± 600 micron (cons.: 1,5 kg/m ²)
Drying times (@20°C, 60% RH)	* dust free: 2 hours * rain resistant : 6 hours * recoatable : 24 hours * full cure : ± 1 week
Flashpoint (DIN53213):	not flammable
Miscellaneous items:	1. Shore hardness A (ASTM D 2240): 70. 2. Has the technical approval BUTGB. 3. Water vapour permeability: $\mu = 560$.

INSTRUCTIONS FOR USE

Ambient conditions:	* Drying weather: enough air ventilation (light breeze) or sunny conditions. * Min. Temperature: 5°C. * Max. Relative humidity: 80 %.
Dilution:	water
Cleaning tools:	water
Airless:	Nozzle: 18 - 23 Pressure: 220 bars
Conventional spray-gun:	no
Brush:	yes, square brush
Roller:	yes, roller with long hairs (long nap)

Note:

* Dakfill fleece should be used on any roof where the slope is less than 5%, if there is a likelihood of standing water or when substrate movement is likely.

* Where standing water is expected or the coating may be subject to discolouration from pollution it is recommended that a top coat of Coating PRT is applied at 10 sq metres per litre.

* Do not apply on tar, soft PVC or bituminous materials < 1 year old.

PREPARATION OF THE SUBSTRATE

The substrate must be well cleaned, dry, free from loose material and contamination.

Fill joints with Elastofill, bridge active cracks with "Dakfill bridging fleece" and apply one of the following priming coats :

- on porous concrete, hard PVC and polyester : Primer 44 diluted with 30 % Thinner 22

- on very smooth concrete : Noxyde diluted with 25 % water

- on iron and steel : undiluted Noxyde.

Roofing or bituminous materials over 1 year old can be coated directly with Dakfill New.

Zinc, galvanised steel, copper, lead and aluminium can be recoated with Dakfill New, if required, after degreasing and slight sanding.

ADDITIONAL INFORMATION

Transport codes: ADR-classification: not ADR / UN-code : none

Packing: 1 - 5 - 25 kg

Storage stability: At least 24 months, provided the original tin is properly sealed and kept in a cool, dry and frost free place.

AFNOR Classification: Group II, class 7b2

The technical data and suggestions for use contained herein are correct to the best of our knowledge, and offered in good faith.

The statements of this literature do not constitute a warranty, expressed, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.

Paco systems
Broadridge Close
Newton Abbot
Devon TQ12 1YE

Tel: 01626 207064
Fax: 08712 424345
www.paco-systems.co.uk
info@paco-systems.co.uk

*Paints and Coatings
for Industry*