

PRODUCT DATA

DACFILL HZ

Andrews Coatings Ltd
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DESCRIPTION

Two-component waterproofing product based on waterdispersed acrylic resins.

MAIN PROPERTIES

>200% elastic – waterproof – vapour permeable – resistant against stagnating water max. 1 hour after surface drying – excellent resistance against extreme variations in temperature, atmospheric pollution and UV-rays.
Builds an abrasion resistant rubberlike coat without joints or seams, which is hardly flammable and self-extinguishing.

RECOMMENDED USES

Waterproofing protection of flat roofs. Also applicable in situations where quick water resistance or recoatability is required.

TECHNICAL DATA

Appearance:	Satin - matt (Gloss 60°: ± 8%)
Colour:	Grey
Density:	Approx. 1,25 g/cm ³ (mixed product)
Solids Content:	In volume: Approx. 51%
	In weight: Approx. 62%
Recommended film thickness:	Wet film: ± 1200 micron per coat (cons.: 1,5 kg/m ²)
	Dry film: ± 600 micron per coat (cons.: 1,5 kg/m ²)
Potlife	18 h (we advise to use prepared mixtures within the same day)
Flashpoint:	Not flammable.
Shore hardness A (ASTM D 2240):	75
Water vapour permeability	μ = 1934 ((2 x 500 g/m ²)
ETAG005 approval:	In preparation.
VOC-content:	55 g/l max.
Ready-to-use mixture:	55 g/l max.
Category:	A/j
EU Limit values:	140 g/l (2007) / 140 g/l (2010)
Drying times	20°C/50% r.h.
Dust free:	1½ hours
Rain resistance:	2 ½ hours
To recoat:	Overnight
Full hardness	± 1 week
Surface drying (1 kg/m ²):	30 minutes (high t° / low R.H.)
	6 hours (low t° / high R.H. / no wind)

Drying times depend strongly on temperature, relative humidity and air movement.

Coverage

Theoretical: Per coat: 1 - 1,5 kg/m² (dependent of the substrate).
To be applied in 2 coats.

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SURFACE PREPARATION

The substrate must be well clean and dry, free from flakes, gravel, dust and dirt.

Fill up joints with Elastofill, bridge active cracks with "Dacfill bridging mesh" and apply one of the following priming coats:

- On porous concrete, hard PVC and polyester: Primer 44HS.
- 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 Dacfill HZ depending on its condition.

To ensure optimal adhesion it is recommended to fixate the substrate with Parafix.

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

DIRECTION FOR USE

To ensure homogeneity, coating materials should be thoroughly stirred prior to use.

Add B-component to the A-component while stirring mechanically. It is advised to use the mixed material during the same day.

Unroll the Dacfill-mesh on the dry and clean substrate and fix it to the substrate with a first coat of Dacfill HZ (1 - 1,5 kg/m²) by roller. Mesh overlappings must be at least 5 cm.

After drying, a second coat of Dacfill HZ is to be applied by roller or by airless so that the structure of the mesh is not visible anymore.

APPLICATION & THINNING

Brush: Square brush. Do not dilute.

Roller: Roller with long hairs (long nap). Do not dilute.

Air-atomised spray: Not applicable.

Airless spray: Nozzle: 18 - 23 / Pressure: 220 bars.
Do not dilute.

Cleanup: Water

APPLICATION CONDITIONS

- Dry weather: enough air ventilation (light breeze) or sunny conditions.
- Min. Temperature: 5°C.
- Max. Relative humidity: 85%.

REMARKS

Dacfill-mesh must be used on every roof with a slope < 5%, in case of water stagnation and when movements of the substrates can be expected or can be feared (for more information about the application of the Dacfill-mesh, please consult our Technical Service).

For substrates other than those mentioned above contact Technical Service

Do NOT apply on TPO's (Thermoplastic Olefins i.e. Derbigum)

SAFETY

Consult Safety Data Sheet and Safety Information printed on the can.

SHELLIFE / STORAGE CONDITIONS

2 years from date of production in unopened cans, if stored in dry, well ventilated areas, not in direct sunlight at temperatures between 5° and 35°C.