

PRODUCT DATA

DAC-HYDRO-ALU

Andrews Coatings Ltd
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Littles Lane
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West Midlands
WV1 1JY

Tel. 01902 429190

info@mathysdirect.co.uk
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DESCRIPTION

Roof paint based on water dispersed acrylic resins.

MAIN PROPERTIES

400% elastic - water vapour permeable - prevents strong warming up of the surface locally by the light reflecting effect of the aluminium flakes in the coating film - keeps its aluminium finish even in strongly varying atmospheric conditions (U.V. rays, water, strong temperature fluctuations, etc.) - recoatable - builds an abrasion resistant rubberlike coat without joints or seams.

RECOMMENDED USES

Decorative aluminium finish and durable protection of roofs with solar reflective characteristics.

TECHNICAL DATA

Appearance:	Glossy (gloss 60°: ± 70%)
Colour:	Aluminium
Density:	1,03 - 1,06 g/cm ³
Solids Content:	In volume: 47 - 49% In weight: 50 - 52%
Recommended film thickness:	Wet film: 1000 micron (cons.: 1 m ² /l) Dry film: 480 micron (cons.: 1 m ² /l)
Flashpoint:	Not flammable
Water vapour permeability:	μ = 1836
VOC-content:	70 g/l max.
Ready-for-use mixture:	70 g/l max.
Category:	A/i
EU Limit values:	140 g/l (2007) / 140 g/l (2010)

Drying times 20°C/50% r.h.

To touch:	4 hours
To handle:	6 - 7 hours
To recoat:	24 hours
Full hardness:	± 1 week

Coverage

Theoretical:	Waterproofing: 1 - 1,5 l/m ² (depending on type of roof) as a second coat on Dacfill. Esthetical: 0,3 - 0,5 l/m ²
Practical:	Practical coverage depends on many factors such as porosity and roughness of the substrate and material losses during application.

SURFACE PREPARATION

The substrate must be clean, free from peeling, dust and dirt. Bridge cracks and fissures with Dakfill-mesh. Fill up joints with Elastofill.

Very porous substrates have to be primed first with Primer 44HS.

Dac-Hydro-Alu can be directly applied on metals (except new galvanised steel), roofing and most bituminous products (> 1 year).

Dac-Hydro-Alu can be applied without any problem on most waterbased products like Dacfill and Noxyde.

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Do not apply directly on Fillcoat or Fillcoat Fibers. In this case it is necessary to apply first a coat of Dacfill.

Dac-Hydro-Alu cannot be applied on flexible PVC, EPDM, tar or bituminous materials < 1 year, polyisobutylene and smooth bitumen-polymers.

In case of stagnating water, Dac-Hydro-Alu must always be applied in combination with the Dacfill-mesh with a consumption of 2 l/m².

DIRECTION FOR USE

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

APPLICATION & THINNING

Brush: All types, do not dilute

Roller: Mohair roll with long hairs, do not dilute

Air-atomised spray: Not recommended

Airless spray: In case of airless-application, the aluminium finish will not be uniform; an airless-roll application is ideal, although in case of an airless application, it is necessary to roll over the surface with a roller.

Cleanup: Water

APPLICATION CONDITIONS

Apply in drying conditions at minimum 5°C.

SAFETY

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

SHELLIFE / STORAGE CONDITIONS

1 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.