



PRODUCT DATA SHEET	Page: 1 of 3
	US Revision: 3
RD-ELASTOROOF ALU	Date: 10/15/2011
	Supersedes: 02/15/2007
	R6

DESCRIPTION OF THE PRODUCT

USE: Aluminium filled, Waterborne acrylic dispersion, single component waterproofing product for waterproofing or over-coating existing roofs.

FEATURES: Forming of a very elastic, durable Aluminium, highly reflective – waterproof coating system or reflective roof paint.

Note: RD-ELASTOROOF ALU “dry-fall” characteristics help reduce the risk of overspray on buildings and surrounding property. Application methods include “dry-fall” under certain conditions (see Application).

SUBSTRATES: All substrates, if the appropriate system is applied. Substrates include but are not limited to:

- EPDM
- Modified Bitumen
- BUR and most standard roofing insulations and recovery boards.
- Can also be applied directly to concrete, wood, asbestos-cement roofs and shingles.
- Top coat for RD-ELASTOROOF.

Note: Do not apply on PVC roofing or on bituminous substrates that are less than one year old. Always conduct adhesion test to confirm compatibility.

SYSTEM:

Porous, Non-Treated Surfaces:

- Primer: 1 coat of RD-UNIFIX.
- Topcoat: 2 coats of RD-ELASTOROOF ALU applied @ 25 mils DFT each.

Ferrous and Non-Ferrous Metals:

- Primer: 1 coat of RD-ELASTOMETAL applied @ 7-8 mils DFT.
- Topcoat: 2 coats of RD-ELASTOROOF ALU applied @ 25 mils DFT each.

Bituminous Substrates Older Than One Year:

- Direct application of 2 coats of RD-ELASTOROOF ALU applied @ 25mils DFT each.

Note: On flat roofs, the product must be reinforced with mesh and can also be used as a finishing coat for RD-ELASTOROOF at 25 mils DFT; or as a reflective paint applied at 8-10 mils DFT.

APPLICATION INSTRUCTIONS

PREPARATION OF THE SUBSTRATE: The substrate has to be clean, dry, and free of dust. In case of moss or mildew on the substrate, remove it with a special anti-moss product followed by pressure washing. Fill up cracks with RD-ACRYKIT caulking.

APPLICATION CONDITIONS: Environmental Conditions (general requirements):

- The minimum air and substrate temperatures; 45°F for 24 hours.
- The maximum surface temperature; 130°F.
- The maximum relative humidity; 90%.
- Surface temperature must be at least 5°F above the Dew Point, with no threat of rain for 3 hours.



PRODUCT DATA SHEET	Page: 2 of 3
	US Revision: 3
RD-ELASTOROOF ALU	Date: 10/15/2011
	Supersedes: 02/15/2007
	R6

APPLICATION MEANS:

Brush, roller or airless spray (tip size: 018–023).

Caution: Dry overspray can be wiped or washed from most surfaces. Satisfactory dry-fall performance depends upon height of work and equipment adjustment. Low temperature and high humidity are of particular concern. Test for application as follows: Spray from 15 to 25 feet towards paint container. The material then should readily wipe off.

Note: In some instances heat can fuse-dry overspray to some surfaces. Always clean dry overspray from hot surfaces before fusing occurs. Be aware that surface temperatures can be higher than air temperature.

DILUTION:

Water (Only for airless spray: up to 3% during fast drying conditions.)

CLEANING OF TOOLS:

Water

COVERAGE:

Theoretical Coverage / 4.3 Gallon Container:

- 160 sq. ft. at 25 mils DFT.
- 80 sq. ft. at 50 mils DFT.
- 540 sq. ft. at 8 mils DFT, used as reflective roof paint.

PARTICULARITIES:

Mix before use.

TECHNICAL DATA

FINISH:

High gloss

COLORS:

Aluminum

SOLIDS CONTENT :

By Weight: 52%
By Volume: 49%

VOC CONTENT:

70 g/l

DENSITY:

Ca. 1.02

FLASH POINT:

Non-Flammable

VISCOSITY:

100 – 125 P (Brookfield 20 Rpm)

DRYING TIME:

3 – 24 hours per coat, depending on temperature, humidity and wind.

PACKING:

4.3 Gallons

STORAGE STABILITY:

2 years minimum provided the original container is sealed and has been stored in a controlled environment.



PRODUCT DATA SHEET	Page: 3 of 3
	US Revision: 3
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TEST DATA: Available upon request.

TEMPERATURE RESISTANCE: (Dry) Continuous 175° F

SAFETY DATA

The Material Safety Data Sheet is available on request.

This Data is given for information only. Since the manufacturer is not able to check the correct application of the products, they cannot accept any responsibility for it. This technical data sheet replaces all previous editions.