

Material Safety Data Sheet (MSDS)

1. Product identification, composition and use

Product Name: RoofAquaGuard UDLX

Composition: RoofAquaGuard UDLX is a 5-ply, 100% asphalt and asbestos free. RoofAquaGuard UDLX is a base sheet made of woven Polypropylene laminated on the bottom side with a high "cof" (Coefficient of Friction), modified Ethylene based coating. The top side is extrusion laminated to a polyester non-woven

Product Use: Intended for use as a roofing underlayment

Manufacturer: Lemminkainen Katto OY
Puusepantie 11, 04361 Tuusula, Finland

Telephone: 358 9 870 441
Fax: 358 98251 070

2. Hazardous Ingredients/Warnings

The product is chemically inactive and is biologically inert. It is not a skin irritant. RoofAquaGuard UDLX underlayment raw materials and additives contain no asbestos or asphalt products. This declaration is based on individual approvals obtained by the suppliers of Lemminkainen Katto OY raw materials and ingredients. To avoid danger or suffocation, the product should be kept away from babies and children. This product is not considered dangerous to the environment.

3. Fire Hazard

This product burns, but is not classified as flammable. Flash point is approximately 350°Celsius (662° F). The final products at complete combustion are carbon dioxide and water. At incomplete combustion with reduced oxygen supply, carbon monoxide, which is highly toxic, may form. As for many other compounds, like wood, paper and other products from oil other decomposition products like various hydrocarbons, acids and aldehydes may also form, but only in very small quantities.

4. Fire Fighting

Water in a spread jet, dry chemical, foam and carbon dioxide can be used.

5. Handling

The product is stable under normal conditions of use, storage and transportation. For safe installation, it is recommended to follow installation instructions given by the manufacturer/seller.

6. Waste Handling

The product can be used as landfill, or incinerated, as required.

DISCLAIMER

THIS INFORMATION IS FURNISHED WITHOUT WARRANTY EXPRESSED OR IMPLIED, EXCEPT THAT IT IS ACCURATE TO THE BEST KNOWLEDGE OF LEMMINKAINEN KATTO OY. LEMMINKAINEN KATTO OY ASSUMES NO LEGAL RESPONSIBILITY FOR USE OR RELIANCE ON THIS DATA

Specification Sheet

1. Classification

Roof covering and roof deck construction-Underlayment
Can be used on steep sloped roofs beneath composite, metal, clay, concrete, slate, wood and other roofing materials.

2. Product Name

RoofAquaGuard UDLX High Performance Roofing Underlayment

3. Manufacturer

Lemminkäinen Katto OY
Puusepantie 11, 04361 Tuusula, Finland • www.roofaquaguard.com

4. Product Description

RoofAquaGuard UDLX is a 5-ply, 100% asphalt and asbestos free, high performance roofing underlayment used on steep sloped roofs beneath composite, metal, clay, concrete, slate, wood and other roofing materials.

RoofAquaGuard UDLX is a base sheet made of woven Polypropylene laminated on the bottom side with a high "cof",

Modified Ethylene based coating.

The top side is extrusion laminated to a polyester non-woven.

RoofAquaGuard UDLX is approved as an alternate replacement for Type 15 or Type 30 asphalt roofing felt.

RoofAquaGuard UDLX measures 60" wide and comes in 200' rolls weighing 40 lbs per roll. The coverage per roll is 9 1/4 squares. RoofAquaGuard UDLX is gray in color which helps reduce heat loads on attic structures.

5. Approvals

ICC-ES (in process)
Miami Dade (in process)
Florida Building Code (in process)
CAN/CSA: A220 (in process)

6. Testing

Passed ICC-ES AC 188 and ASTM D226

7. Installation

RoofAquaGuard UDLX must be installed above properly ventilated spaces (follow local building code) as it is considered a vapor barrier. RoofAquaGuard UDLX is laid horizontally (parallel) to the eave with the printed side up, and with 4" horizontal laps and 6" vertical laps. (The use of a slip sheet is not required underneath metal roofing)

RoofAquaGuard UDLX must be attached to the structural Roof Deck Material using Plastic or Steel Cap roofing nails, having a minimum of 1" diameter cap, spaced at 12" on vertical and 15" on horizontal. All Plastic, or Steel Caps, must be attached flush with the underlayment surface and nails must be fastened at a 90 degree angle to the deck. Prior to loading the roofing materials onto the RoofAquaGuard UDLX product it is recommended that a roof jack, with planks, toe boards, or a strong platform be secured to the underlying roofing deck to prevent slippage of stored materials on steep sloped roofs (greater than 4 : 12 pitch). See OSHA regulations (Standard 29 CFR), fall protection systems criteria and practices - 1926.502. For batten secured applications, the use of plastic cap roofing nails required only to secure the underlayment and prevent blow off until the batten system is installed. Where seams or joints require sealant or adhesive, use only a high quality, low solvent asbestos free plastic roofing cement meeting ASTM D-4586 Type 1 (Asbestos Free), Spec SS-153 Type 1 (Asbestos Free). Installing final roofing within 6 months from initial underlayment application is recommended.

8. Technical Services

RoofAquaGuard UDLX provides a 25 year limited material warranty. For warranty and technical information, go to www.roofaquaguard.com.

9. Maintenance

None when installed in accordance with manufacturer's recommendations.



Marketing and Sales

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www.roofaquaguard.com