



All material must be installed in compliance with applicable codes and ordinances

Marketing, Sales & Technical Support:

Nemco Industries Inc.
4655 Caulfeild Dr
West Vancouver, BC V7W 1E9
Tel: 1 888 840 3435
nemco2@telus.net

Manufactured by:

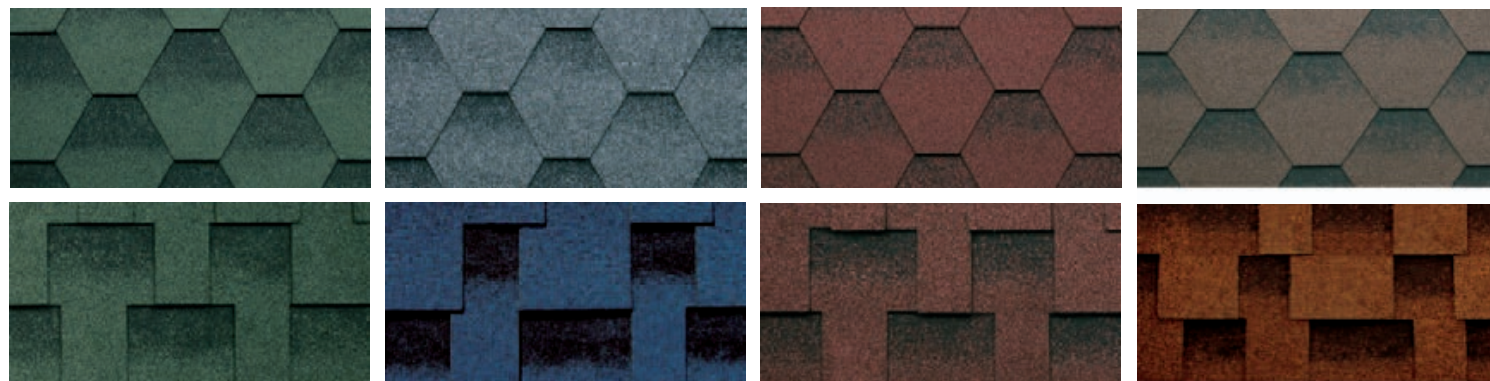


Lemminkainen Katto Oy,
PL 10, 04361
Tuusula, Finland



HIGH PERFORMANCE SBS MODIFIED SHINGLES

- Excellent Wind Resistance
- UV Resistant and Waterproof
- 50-Year Limited Warranty
- Red, black, green, brown, gray, brown/black, gray/black, red/black and green/black



Innovative European high-performance Asphalt Shingles

RoofAquaGuard KERABIT

- SBS bitumen with an extensive Peel and Stick feature, strong polyester reinforced carrier with high density polyethylene structure
- Light weight, allowing for a very fast and easy installation, especially on steep sloped roofs
- Patented* Unique roofing shingles which are extremely strong and "Hurricane Proof"
- Extreme water resistency
- Available in various exciting designs and colors
- Meets and exceeds North American code specification requirements
- Limited 50 Year Warranty

* Patent Pending



KERABIT



TERMS AND CONDITIONS:

Lemminkäinen Katto Oy, warrants that RoofAquaGuard KERABIT membrane will be free from manufacturing defects and withstand ordinary wear and tear which affects the ability of the product to maintain the roof in a watertight condition for the period of 50 years from the date of installation of the roofing membrane. This warranty is for the sole benefit of the building owner ("Owner") and cannot be assigned to a third party without the express written consent of the Lemminkäinen Katto Oy referred to as the ("Manufacturer").

Should RoofAquaGuard KERABIT membrane be deemed defective, as described above, the Manufacturer of RoofAquaGuard KERABIT shall repair such defects, or at the Manufacturer's option, replace such defective materials. The Manufacturer's maximum liability shall not exceed the original cost of the defective roofing membrane excluding all installation related labor costs; costs of flashing, metal work, or other materials supplied, or manufactured by others. Any such repair or replacement shall be the Owner's SOLE AND EXCLUSIVE REMEDY against RoofAquaGuard KERABIT.

RoofAquaGuard KERABIT shall have no obligation under this warranty in the event that:

- 1) Damage by natural disasters, (Force Majeure) including, but not limited to lightning, hail, gale force or other strong winds exceeding 42,3 miles per hour, floods, hurricanes, tornadoes, wind launched debris, earthquakes, or similar acts of god or natural causes.
- 2) Damage by willful, or negligent acts, fire, vandalism or other misuse;
- 3) Damage by use of materials not furnished by the Manufacturer of RoofAquaGuard KERABIT;
- 4) Owner or lessee fails to use reasonable care in maintaining and repairing the RoofAquaGuard KERABIT membrane or other required components of the roofing system;
- 5) Damage by structural failure including without limitation, settling, shifting of the building, or movement, cracking or deflection of the roof deck, roof substrate, roof insulation, building design or construction.
- 6) Damage by any chemical condition not disclosed to the Manufacturer of RoofAquaGuard KERABIT or traffic or storage of materials or infiltration of condensation or , moisture in, through or around the walls, coping, building structure of the underlying or surrounding areas;
- 7) Alterations or repairs made on or through the roof or objects (including, without limitation, machines; structures, fixtures, or utilities) are placed on the roof without prior written authorization of Manufacturer.
- 8) Metal work or other materials not furnished by Manufacturer of RoofAquaGuard KERABIT not used in the roofing system resulting in leaks.
- 9) Poor workmanship in the application of materials,
- 10) Failure to utilize the present instructions of RoofAquaGuard KERABIT, recommendations and installation procedures;
- 11) Damage resulting from lack of positive, proper or adequate drainage, or failure to comply with any terms or conditions of this warranty.
- 12) Loss of surface wear material

Manufacturer shall have no responsibility whatsoever for bodily injury to any person or damage to the structure or its contents arising out of any roof membrane or any other consequential or incidental damages, or attorneys fees.

The Manufacturer of RoofAquaGuard KERABIT sole responsibility is the replacement of defective membrane. This warranty does not include the cost of removal, installation or the cost of labor of any overlaying products or surfaces/materials/systems.

RoofAquaGuard KERABIT shall not have any obligation under this warranty unless the owner shall have promptly notified the Manufacturer of RoofAquaGuard KERABIT by registered or certified mail, direct to:

Att: RoofAquaGuard
c/o Nemco Industries Inc.
#21-285 17th Street
West Vancouver, BC V7V 3S6
Canada

The Manufacturer of RoofAquaGuard KERABIT must receive such notice within ten (10) days after discovery of the claimed defect.

The Owner shall provide the Manufacturer of RoofAquaGuard KERABIT, and its distributors, agents and employees, to have free access to the roof during regular business hours during the term of the warranty.

RoofAquaGuard KERABIT good-faith determination of the source of leaks, damage or defect to the roof shall be exclusive and binding to the Owner. RoofAquaGuard KERABIT failure at any time to enforce any of the terms and conditions of this warranty shall not be construed as a waiver of such provisions. RoofAquaGuard KERABIT reserves the right to discontinue or modify any of its products and shall not be liable to the Owner as a result of any such discontinuance or modification.

THIS WARRANTY SUPERCEDES AND IS IN LIEU OF ALL OTHER WARRANTIES WHETHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY SHALL BE THE OWNER'S EXCLUSIVE REMEDY AGAINST ROOFAQUAGUARD KERABIT OR ITS AFFILIATES WITH RESPECT TO THE ROOF, AND NEITHER ROOFAQUAGUARD KERABIT OR ITS AFFILIATES SHALL BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES. ROOFAQUAGUARD KERABIT AGENTS HAVE NO AUTHORITY TO GIVE WARRANTIES BEYOND THOSE PROVIDED IN THIS WARRANTY. If warranty is not completed in full and approved by Manufacturer of RoofAquaGuard KERABIT, warranty becomes null and void.

Manufactured by: Lemminkäinen Katto Oy, PL 10, 04361 Tuusula, Finland



KERABIT

Kerabit Roofing Shingle is a stylish, easy-to-install bituminous roofing material. The shingles can be installed to old and new buildings alike, and they are also suitable for complex roof shapes. The shingles give your house a finished, exclusive character.

Specifications

Factory	Roofing plant in Lohja
Country of origin	Finland
Type approval, Finland	Decision no.86/2001 (as part of roof structure)
Quality control	VTT quality control agreement
Fire technical classification	BROOF(t2)
Thickness	1/8"
Weight	8.8lb/10.7 sq.ft.
Weight of reinforcement	4.23oz/10.7 sq.ft.
Reinforcement	polyester felt HDPE
Surfacing	slate granules / slag (black)
Surface bitumen	SBS modified bitumen with polyester reinforced HDPE
Colors	red, black, green, brown, gray, brown/black, gray/black, red/black and green/black
Adhesive bitumen	SBS modified bitumen
Package size	32.29 sq.ft.
Packages/pallet	36 pcs
Weight/package	49 (black 55) lbs

Test Data

Features	Demand	Typical value	Method
Thermal resistance	min 80	80 °C	EN 1110
Tear strength	min 100	100 N	
Tear strength length/cross direction	7/7	8/8 N	SFS 5011.7
Bending, surface		0 °C / 50 °C/mm	EN 1109
Watertightness	> 100	> 200 kPa	EN 1928
Elongation, -2°F; length/cross direction	2/2	2/2 %	SFS 5011.6
Tensile strength	8/8	10/10 kN/m	EN 12311-1

Features

The shingles are made of firm fibreglass felt coated with bitumen. On the top side slate or mineral granules provide weather protection. On the underside there is elastomer bitumen which connects the shingles tightly.

Instructions of use

The roofing shingles are light, easy to handle and work with. The deck must be constructed of wood, plywood or OSB (oriented strand board) and be rated for structural use as roof sheeting or roof decking. If the substrate is an old felt roofing, it must be flat, stationary and watertight. Before the roofing work is started, step-flashings and chimneys need to be sealed with Pikiband AL sealing strip. In storage the shingles must be protected from rain and sunshine.

Uses

Underlayment membrane (RoofAquaGuard) is recommended as the underlayment material for the roofing shingles; the minimum pitch of the roof is 1:5. Special shingles and strips are available for cornices, ridges and other special uses.