



RESIDENTIAL INFORMATION BULLETIN

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IKO ASPHALT SHINGLE CONFORMANCES

IKO Industries manufactures a wide range of organic fibre felt reinforced asphalt shingles and glass mat reinforced asphalt shingles. These products are made to the highest quality standards and have been successfully applied in various climatic regions around the world for decades. The proven performance of IKO shingle products makes them suitable for any residential or commercial roofing application.

IKO's organic shingles are built on a heavyweight organic fibre felt, which is thoroughly saturated and impregnated with a waterproofing saturant asphalt. The shingles are then coated with water-shedding coating asphalt and surfaced with colour-fast ceramic roofing granules. IKO's glass shingles do not require saturant asphalt.

In order to assure our customers of the highest quality roofing products available in the marketplace, IKO has achieved the following technical conformances and certifications in our various manufacturing facilities.

1. IKO shingles meet the American Society for Testing and Materials (ASTM) E108 test method for the Fire Resistance of Roof Coverings. The organic shingles have attained a rating of Class C, and offer excellent fire resistance from normal fire hazards of burning brands or exterior building fires. The glass shingles, when installed with an underlayment felt, qualify for the higher Class A rating. The Canadian equivalent to the ASTM E108 tests is CAN/ULC S-107. IKO shingles have been independently tested for their fire resistance by Factory Mutual Research Corporation.
2. All IKO shingles have achieved a wind resistance rating as assessed by the ASTM D3161 Wind Resistance Test for Asphalt Shingles. This test is conducted in a laboratory in which the shingles are conditioned in a warm room to activate the shingle sealant bond and then the shingles experience a continuous wind, with a typical test speed of 97 km/hr (other wind speeds may be used). The shingle sealant system must restrict any portion of shingle from lifting during the test.
3. The IKO shingles conform to the material standards as prescribed by the Canadian Standards Association (CSA) standard A123.1 for organic fibre felt shingles, and A123.5 for glass mat reinforced shingles. They also conform to the prescriptive and performance requirements of ASTM standard specification D225 for organic fibre felt shingles and D3462 and D3018 for glass shingles. These material standards prescribe minimum levels for shingle weight, percent of asphalt, mineral granule coverage, and shingle strength.
4. The IKO quality control system is modeled after the International Standards Organization (ISO) 9000 series of quality control practices. In fact some IKO plants have achieved independent certification to the ISO 9001:2000 quality control system.
5. IKO's Grandeur and Crowne Slate premium laminated shingles are made with SBS modified bitumen, which gives these shingles exceptional durability and impact resistance. These products have been independently certified as conforming to UL 2218 impact resistance standard, Class 4 (best rating available). Note: This certification is solely for the purpose of enabling residential property owners to obtain a reduction in their residential insurance premium and it is not to be construed as any type of express or implied warranty by the manufacturer, supplier, or installer.

IKO Industries continues to be an active participant in standards-writing organizations and independent authorities which set requirements for roofing material performance around the world. The company also continues an active and aggressive research program to continually upgrade and improve the manufacturing process, raw material selection, and finished product specifications for all of its roofing products.

For additional information on any of IKO's products or application requirements, visit us on the web at www.iko.com, or contact us in Canada at 1-888-766-2468, or the United States at 1-888-456-7663.

