



## CONCRETE DECKS

IKO recommends installation of its asphalt shingles on suitable wood decks, including plywood and OSB. We appreciate that in certain regions such decking materials are not readily available, and with certain local building practices, concrete structures, including pre-cast or cast-in-place concrete decks, are used for sloped roof systems.

IKO approves the installation of its shingles on such concrete decks, providing the following requirements are met;

- **The deck/structure must meet the local national material standard and all local applicable building code requirements.**
- **The deck must be sufficiently supported to accommodate all anticipated roof loads during shingle installation and subsequent roof loads.**
- **The concrete deck must be covered by a smoothing layer of mortar, 25 – 30 mm thick, comprised of a nominal ratio of cement:sand of 1:3.**
- **The mortar must be covered by two coats of an asphalt-based waterproofing primer, which must be allowed to dry thoroughly (typically 1 – 2 days) before shingle installation.**
- **Shingles shall be installed with zinc-coated steel roofing nails, long enough to penetrate at least 19 mm into the roof deck (mortar), with nominal 9 mm diameter heads, and barbed shanks.**
- **All other IKO shingle installation requirements must be followed, including nail location/amount, drip edge use, valley construction, etc.**

Given the density and thermal mass of concrete decking, ventilation is not required in the air space beneath the deck.

Where IKO asphalt shingles are installed accordingly on concrete decks, our IKO Asphalt Shingle Limited Warranty (Export) will remain in effect – see the Warranty for details on coverage, and conditions/exclusions. However, any problems arising specifically due to settling or cracking of the deck, will not be covered. Note that installation of IKO shingles on concrete decks is currently not approved for installations in Canada or the United States.

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