

New Zealand Data Sheet

GAF Shingle Roof Water



GAF shingle roof systems have been tested and have achieved NZS 4020 certification and are suitable for the following uses within New Zealand,

- Potable water collection with inline harvesting systems in accordance with NZBC
- Stormwater roof runoff harvesting for reuse with residential and commercial systems
- Stormwater in sensitive areas requiring inert and low contaminating roof cladding systems

Potable water certified

The GAF shingle roof system qualifies as an inert roof cladding solution for use with potable water harvesting systems and holds NZS 4020 certification in compliance with NZBC G12.3.1, G12.3.2 A (a) (b) (c) and in accordance with the (industry-wide) MBIE Determination 2015/056: Regarding the compliance of asphalt roof shingles to roofs where the rainwater is harvested and used as potable water.

Potable water harvesting systems may include other components such as spouting, piping, tanks and filtration systems, each of these components must comply with NZS 4020 and the relevant standards and regulations. Potable water harvesting systems are exposed to external and atmospheric contamination that forms in the environment and appropriate filtration is required.

Stormwater runoff

GAF shingle roofs can be installed into areas where inert and low contaminating roof cladding systems are required. The NZS 4020 testing provides roof runoff data in support of these inert roof cladding requirements for stormwater with copper values that are well below Auckland Council DEQR determined value for TCu of 10 µg/L (0.010mg/L) and below the qualifying value for HCGA (high contaminant generating activity). GAF shingle roofs comply with NZBC G12.3.2 A (c) installed using components that will not contaminate the water.

Healthy Waters and Auckland Unitary Plan Stormwater Compliance:

GAF shingle roofs are inert and offer a low contaminating roof cladding systems for the purpose of stormwater runoff and harvesting and,

- ✓ have less than 10% Zinc to the exposed surface
- ✓ have less than 10% Copper to the exposed surface
- ✓ do not have exposed timber surfaces
- ✓ do not have Copper or Zinc algacide present in the shingles supplied in New Zealand.

Visit gafroofing.co.nz

For additional information, contact GAF Technical Support New Zealand at **0800 423355** or technical@gaf.nz



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