



Product Technical Statement

Owens Corning Asphalt Shingles

Product Description

Owens Corning Asphalt shingles are roof covering materials consisting of the following properties. The products are laminated asphalt shingles and hip & ridge shingles. The products are available in metric sizes in a range of colours. **Duration® Premium, Oakridge®, Oakridge Super® Berkshire®** shingles are laminated shingles manufactured with 2 layers of fiberglass mat coated with asphalt on both sides, and surfaced on the weather-exposed side with natural mineral product coated in ceramic which provides the UV resistant layer.

Berkshire® Hip & Ridge Shingles are prefabricated hip and ridge shingles. **Hip and Ridge shingles with Sealant** are perforated so they can be torn into four 337 mm by 250 mm shingles for metric. Both are surfaced on the weather-exposed side with natural mineral product coated in ceramic which provides the UV resistant layer.

The Owens Corning Roof system when installed in accordance with the manufactures and suppliers technical information form a water-tight lightweight roofing solution. Owens Corning asphalt shingles are corrosion and impact resistant and comply with the Building Code's (G12) potability clause, so can be used for the collection of drinking water. The complete Owens Corning Asphalt Shingle roofing system includes substrate, underlays, fixings, flashings and ventilation products.

Owens Corning Asphalt shingles are suitable for residential and commercial pitched roofs and can be also be used as a reroofing solution.

Features

Owens Corning Product Warranties of up to 50yrs, Wind Resistance Warranties of up to 210 km/h, Algae Resistant Warranties of 10 yrs.

They have been assessed by the Underwriters Laboratory (U.L.), assessing their collective resistance to wind, uplift, UV and impact and complies with E2 as an Alternative Solution.

Scope of use

Owens Corning Asphalt roofing shingles have been appraised as a roof cladding for buildings within the following scope:

- The scope limitations of NZBC Acceptable Solution E2/AS1 Paragraph 1.1, with regard to floor plan area and building height; and,
- Constructed with timber roof framing and plywood sheathing complying with the NZBC; and,
- Where the roof slope is 9.5 degrees or greater; and,
- Situated in NZS 3604 Wind Zones up to and including Very High, or Extra High for the Duration Premium shingle.





New Zealand Building Code (NZBC)

The product will, if installed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- Clause B1 Structure: Performance B1.3.1, B1.3.2, B1.3.3, B1.3.4
- Clause B2 Durability: Performance B2.3.1, B2.3.1(b)
- Clause E2 External moisture: Performance E2.3.1, E2.3.2, E2.3.6
- Clause F2 Hazardous building materials: Performance F2.3.1
- Clause G12 Water Supplies: Performance G12 and AS/NZS 4020

Supporting Evidence

The SPS Roofing and Building Materials Ltd (SPS Building) Technical Manual for Owen Corning Asphalt Roofing shingles contains documents to support the above compliance.

Design requirements :

Product specification and incorporation of Owens Corning Asphalt shingles into any building design shall be carried out by a architect/ designer/engineer or a building professional who:

- Is qualified to design the buildings covered under the 'Scope' of use of this product.
- Has ready access to the technical specifications including installation details and standards referenced in the SPS Building Technical manual where the design limitations are outlined for the scope of this PTS.

The Owens Corning system incorporates a range of accessories including vents, underlay and flashings to name a few

Installation requirements

Installation shall be carried out by a Licensed Building Practitioner (LBP) who holds a current license for Shingle or Slate Roofing and has read and understood all of the Technical Information relating to the installation of Owens Corning Asphalt Shingles. Installation, detail drawings and Technical information can be found in the SPS Building Technical manual on the following website. www.spsbuilding.co.nz

Maintenance requirements

It's important that debris be removed from the shingle roof on a regular basis (at least three times or more a year), so water on your roof won't contribute to deterioration of the asphalt shingle.

Annual inspections must be made to ensure that all aspects of the roof cladding, including the pre-finished coating, the flashings and any joints remain in a weatherproof condition. Any damaged areas or areas showing signs of deterioration which would allow water ingress must be repaired immediately.

All cleaning and maintenance shall be carried out in accordance with the guidelines set down in the Asphalt Shingle Maintenance document contained in the SPS Technical manual.

Warranties

The Owens Corning Asphalt shingles system is backed by product warranties ranging from 20-50 years (depending on the profile). For specific projects, Owens Corning Asphalt Shingles may be eligible to be covered by SPS Building's Complete System Warranty. This single document Warranty covers the product and installation for a 20-year period.

Product Support

Please visit our website www.spsbuilding.co.nz for latest Detail Drawings, Technical Information and Product Specification or contact us on 0800 573 301

