

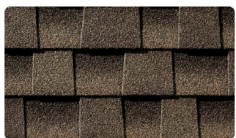


UltraGuard®
Roofing Systems

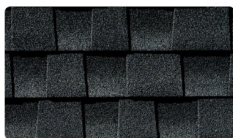
North America's Largest Roofing Manufacturer



TimberlineHDZ®
High Definition® Lifetime® Shingles



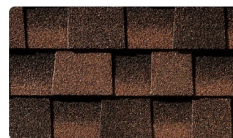
Barkwood HDZ



Charcoal HDZ



Pewter Gray HDZ



Hickory HDZ



Weathered Wood HDZ



Slate HDZ

GAF Shingle Roof Design

January 2025

New Zealand GAF Distributor

www.gafroofing.co.nz



Project Specification

Project Ref:

Date:

Project Address:

PROJECT SPECIFICATION Works, materials and workmanship for construction in accordance with the accompanying drawings.

GAF Distribution New Zealand

Phone: 0800 42 3355 | Web: www.gafrroofing.co.nz | Email: customerservices@gaf.nz

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4356GA GAF ASPHALT SHINGLE ROOFING

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4356GA GAF ASPHALT SHINGLE ROOFING

1 GENERAL

This section relates to the supply and installation of **GAF Asphalt Roof Shingles** installed over a plywood substrate and roofing underlayment to create a weather tight roofing system:
It includes;

- complete with all roof underlays, flashings and accessories
- where the roof slope is 9° or greater
- available in various profile types and colours

1.1 RELATED WORK

Refer to 7411 RAINWATER SPOUTING SYSTEMS for rainwater disposal.

Documents

1.2 DOCUMENTS

Refer to the general section 1233 REFERENCED DOCUMENTS. The following documents are specifically referred to in this section:

NZBC B1/AS1	Structural provisions for buildings
NZBC B2/AS1	Durability provisions for building elements
AS/NZS 1170	Structural design actions (set)
AS 1397	Continuous hot-dip metallic coated steel sheet and strip - Coatings of zinc and zinc alloyed with aluminium and magnesium
AS/NZS 2269.0	Plywood - Structural - Specifications
NZS 3603	Timber structures standard
NZS 3604	Timber-framed buildings
AS/NZS 4680	Hot-dip, galvanized (zinc) coatings on fabricated ferrous articles

1.3 MANUFACTURER/SUPPLIER DOCUMENTS

Manufacturer and supplier documents relating to this part of the work:

GAF Product Brochures
GAF Construction Details for GAF Asphalt Shingles
[BRANZ Appraisal 529](#) - GAF Asphalt Roof Shingles

Manufacturer/supplier contact details

Company: **Roofing Logistics NZ Ltd**
Web: www.gafrroofing.co.nz
Email: admin@gaf.nz
Telephone: 0800 423355
09 426 2199 Auckland

Warranties

1.4 WARRANTY - MANUFACTURER/SUPPLIER

Provide a material manufacturer/supplier warranty:

40+ years	Timberline® HDZ™ Life-Time
50 years	Timberline® UHZ™ Life-Time
50 years	Camelot® Life-Time Designer Country
50 years	Mansion® Life-Time Designer
50 years	Slateline® Life-Time Designer

- Provide this warranty on the manufacturer/supplier standard form (if not available then use the standard form in the general section 1237WA WARRANTY AGREEMENT)
- Commence the warranty from the date of practical completion of the contract works.

Refer to the general section 1237 WARRANTIES for additional requirements.

1.5 WARRANTY - INSTALLER/APPLICATOR

Provide an installer/applicator warranty:

5 years For GAF Asphalt Shingles installation provided the shingles have been installed in strict accordance with GAF Asphalt Shingle Roofing written installation instructions.

- Provide this warranty on the installer/applicator standard form (if not available then use the standard form in the general section 1237WA WARRANTY AGREEMENT)
- Commence the warranty from the date of practical completion of the contract works.

Refer to the general section 1237 WARRANTIES for additional requirements.

Requirements**1.6 QUALIFICATIONS WORKERS - MANUFACTURER / SUPPLIER REQUIREMENTS**

Workers to be approved installers of GAF Asphalt Shingle Roofing products, components or accessories.

Installation of components and substrates supplied by the building contractor must be completed by tradespersons with an understanding of roofing installation and in accordance with instructions given in GAF Asphalt Shingle Roofing Technical Literature and BRANZ Appraisal Certificate 529. Refer to 1270 CONSTRUCTION for additional requirements relating to qualifications.

1.7 NO SUBSTITUTIONS

Substitutions are not permitted to any of the specified GAF Asphalt Shingle Roofing systems, components and associated products listed in this section.

1.8 INFORMATION FOR OPERATION AND MAINTENANCE

Refer to the general section 1239 OPERATION & MAINTENANCE for provision of the following general operation and maintenance information as electronic PDF format documents:
Provide current GAF Asphalt Shingle Roofing Care and Maintenance information documents.

Provide this information prior to practical completion.

Performance**1.9 ROOF LOADING**

To [NZBC B1](#)/AS1 Structural provisions for buildings, to meet the requirements for loads arising from self weight, gravity loads, temperature, snow, wind, impact and creep.

1.10 SPECIFIC NAILING DETAILS

Installation to comply with GAF written installation instructions set up in the GAF Asphalt Shingle Roofing Technical Literature, current at the time of installation.

1.11 STRUCTURAL FIXINGS, EARTHQUAKE

Use fixings and methods to comply with GAF written installation instructions set up in the GAF Asphalt Shingle Roofing Technical Literature and [BRANZ Appraisal 529](#)

1.12 CO-ORDINATE

Co-ordinate to ensure substrate and preparatory work is complete and other work programmed in the order required for access and completion of the roof. Refer to GAF Asphalt Shingle Roofing Technical Literature for substrate requirements and specifications.

1.13 PERFORMANCE

To [NZBC B2](#) and to [NZBC E2](#) External moisture. Accept responsibility for the weather-tight performance of the completed roofing system, including minor penetrations through the roof and junctions with walls and parapets. Penetrations through the roof to be the responsibility of the plumber, except minor penetrations through the roof, i.e. fire flue.

2 PRODUCTS

Materials

2.1 ASPHALT SHINGLES

GAF Asphalt Roof Shingles, glass fibre reinforced asphalt shingles, surfaced with ceramic coated mineral chips available in various Series types. Refer to SELECTIONS for Series type and colour option.

Components

2.2 UNDERLAYMENT - D-226+ ULTRAGUARD

D-226+ ULTRAGUARD, non-woven polyolefin underlayment, for under shingles and installed directly onto the plywood substrate.

2.3 SELF ADHESIVE UNDERLAYMENT

GAF Self Adhering Underlayment, a flexible, elastic, self adhesive membrane used to provide extra waterproofing in high wind zones, on roofs with a pitch between 9° and 12° and for snow.

2.4 SHINGLE STARTER STRIPS

Pre cut starter strip shingles for use at eaves to ensure straight edges.

2.5 SUPPLEMENT HIP AND RIDGE CAPPING

Z Ridge and Hip and Timberline Hip and Ridge supplied as 335mm x 250mm shingle. Seal 'A' Ridge and Hip supplied as 305mm x 305mm shingle.

2.6 PROPRIETARY RIDGE VENTS

GAF Cobra Ridge Vents, sectional ridge vents 10mm to 15mm wide installed continuously along the ridge, used to create a cross flow with the 10mm air gap at the gutter fascia point, Cobra Ridge Vents supplied in approximately 6m lengths.

2.7 ADHESIVE

Holdfast Black Jack modified bitumen based adhesive/sealant for additional bonding of shingles at the gutter line and barge where wind uplift is the most severe. Use for supplementary bonding/sealing around valley intersections, chimney and vent penetrations, skylights etc.

2.8 SHINGLE NAILS

Stainless steel gun nails or hot dip galvanized, smooth or semi ring shanked, 32mm or 25mm x 3mm diameter shank with 9mm head. For ridge ventilation capping stainless steel gun nails 45mm x 3mm diameter shank with 9mm head.

2.9 STEP FLASHINGS AND APRON FLASHINGS

Butyl rubber membrane flashings, 300mm x 200mm x 1mm thick, for flashing raking sides of walls, chimneys or dormer roof penetration including turnouts and apron terminations.

2.10 ULTRAGUARD-DRIP EDGE AND BARGE FACIA DRIP FLASHINGS

Folded metal flashings made from alloy or pre-painted steel barge coil, 60mm wide with a right angle bend 50mm from one edge and a deflector bend 5mm from the other, 2.4 to 4 meter lengths. On eave use 70mm wide flashing with an open angle bend of 25mm or greater from one edge and a deflector bend 5mm from the other or similar, 2.4 to 4 meter lengths.

2.11 BOOT FLASHINGS

Rubber boots installed over vent pipes, chimney or penetrations to seal between the shingle surface and the penetration, installed using stainless steel screws and Holdfast Black Jack adhesive/sealant. Range of sizes available to match requirements.

Accessories

2.12 PLYWOOD SHEATHING

Plywood minimum 15mm thick, To AS/NZS 2269 Plywood - DD Structural, in general use untreated plywood for ventilated roof cavities above 12°, H3 CCA to be used on roofs areas below 12° and on all skillion roof areas. Plywood substrate should never be used as a bracing element without consulting with Roofing Logistics NZ Ltd.

2.13 PLYWOOD FIXINGS

Ring shanked, galvanized, flooring grade nails 64mm long and have a 3mm diameter shank with 7mm x 5mm 'D' head. Hot dip galvanizing to comply with [AS/NZS 4680](#). Comply with plywood manufacturer's specifications.

3 EXECUTION

Conditions

3.1 DELIVERY, STORAGE & HANDLING OF PRODUCTS

Refer to 1270 CONSTRUCTION for requirements relating to delivery, storage and handling of products.

Handling and storage of all materials supplied by Roofing Logistics NZ Ltd, whether on or off site to be under the control of the Roofing Logistics NZ Ltd approved installer. Materials must be handled and stored in accordance with the relevant manufacturer's instructions.

Plywood sheets: Transport and handle with care to avoid damaging the pre finished surface. Store sheets in stacks clear of the ground, supported without sagging on evenly spaced horizontal bearers. Protect from damage and weather. Handle sheets carefully and reject those with damaged faces or edges. Comply with plywood manufacturer's specifications.

3.2 ROUTINE MATTERS

Refer to 1250 TEMPORARY WORKS & SERVICES for protection requirements.

Refer to 1270 CONSTRUCTION for requirements relating to defective or damaged work, removal of protection and cleaning.

3.3 PRE-INSTALLATION REQUIREMENTS

Check work previously carried out and confirm it is of the required standard for this part of the work.

Moisture content:	~% maximum
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3.4 BEFORE COMMENCING WORK

Check framing is suitable for laying substrate. Roof framing must comply with [NZS 3604](#), or be to a specific design in accordance with [NZS 3603](#) and [AS/NZS 1170](#). Rafters or trusses must be at maximum 900mm centres for F11 roofing plywood substrate.

Application - plywood sheathing

3.5 STANDARDS AND TOLERANCES

Refer to the general section 1270 CONSTRUCTION for general requirements.

3.6 FIXING PLYWOOD SHEETS - GENERAL

Fix sheets to the plywood manufacturer's requirements. Rafters or trusses to be at 600mm, 800mm or 900mm maximum centres, for 15mm plywood. Lay sheets with staggered joints in a brick bond pattern, face-grain of sheet at right-angles to support with sheets in square, true alignment and plane. Fully support edges and joints on square edged sheets. Tongue and groove plywood edges must be but jointed with no gaps between the sheet edges. Square plywood edges must have a 2-3mm gap between the sheet edges. Plywood should not extend past the outside front face of the fascia to limit plywood exposure to the gutter area.

Where LOSP treated plywood is used, the solvents must be allowed to evaporate off for at least one week before installation of the shingle underlayment.

3.7 FIT FLASHINGS

Fit metal gutter flashing over plywood substrate to form drip edge at gutter. Hang drip edge past the plywood termination into the gutter. Fit metal barge flashing on top of underlay. Confirm roof penetrations are in place and flashed to the deck surface.

Application

3.8 ROOF DECK REQUIREMENTS

Apply shingles to minimum untreated 15mm thick plywood, F11 stress grade.

3.9 LAY UNDERLAY - ABOVE 12° ROOF PITCH

For roof slope over 12°, lay D-226+ underlayment horizontally across the roof and completely cover hips, ridges (except where ridge vents are used), and valleys. Lap the upper sheets by at least 100mm over the lower sheets. Only sufficient fasteners temporarily to hold the underlay in place need to be used.

3.10 LAY SELF ADHESIVE UNDERLAYMENT - BELOW 12°, SNOW

For roof slope 9° or steeper use GAF Self Adhering Underlayment. Lay horizontally across the roof and completely cover hips, ridges (except where ridge vents are used), and valleys. End laps must be at least 200mm. Provides extra waterproofing on roofs with a pitch between 9° and 12° in snowy conditions.

3.11 FASTENING

Fix shingles in 'Low' and 'Medium' building wind zones by 4 stainless steel or hot dip galvanized nails per shingle, one of which is located 25mm in from each edge. Fix shingles in 'High' to 'Extra High' building wind zones by 6 evenly spaced stainless steel or hot dip galvanized nails per shingle, one of which is located 25mm in from each edge. Ensure the fasteners are driven straight and are flush with the shingle surface. Nails to be of sufficient length to penetrate 20mm into the deck, or through the thickness of the decking, whichever is the less.

3.12 INSTALL FLASHING

Use corrosion-resistant metal or alloy flashing.

3.13 INSTALL SHINGLE VENT

Install Cobra Vent over shingles to GAF Asphalt Roof Shingle installation requirements.

3.14 INSTALL RIDGE AND HIP CAP SHINGLES

Use compatible GAF ridge and hip cap shingles to suit shingle series specified, cut to shape for hip, ridge caps.

Completion & Commissioning**3.15 COMPLETION MATTERS**

Refer to 1270 CONSTRUCTION for completion requirements and if required commissioning requirements.

4 SELECTIONS

For further details on selections go to www.gafrroofing.co.nz.

Substitutions are not permitted to the following, unless stated otherwise.

Materials**4.1 SELECTED GAF ASPHALT ROOF SHINGLES**

Product:	GAF Asphalt Roof Shingles
Series/style:	~
Colour:	~
Substrate:	~
Underlayment:	~

Contact Information

ROOFING LOGISTICS NZ LTD
New Zealand GAF Distributor Office

15 Kahikatea Flat Rd RD4
Dairy Flat, Auckland 0794

Warehouse
Pick-up, Deliveries and Training

14 Kahikatea Flat Rd RD4
Dairy Flat, Auckland 0794
(Opposite side from office)

Direct Office Contacts

tpoorders@gaf.nz | info@gaf.nz
gafroofing.co.nz | 0800 42 3355

Office Hours

8:30am – 5pm
Monday to Friday



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