

CONSTRUCTION DETAILS FOR 'GAF ASPHALT SHINGLE ROOFING SYSTEM'

FIXING SPECIFICATIONS

1 ROOF PENETRATIONS:

ROOF DECKS / SUBSTRATES SHOULD BE DRY, WELL SEASONED 150X25 BOARDS OR EXTERIOR GRADE PLYWOOD.

2 UNDERLAY:

APPLY D226+ ROOFING UNDERLAY OVER PLYWOOD SUBSTRATE IN ACCORDANCE WITH NZBC E2 REQUIREMENTS 8.1.5. ALL ROOF UNDERLAYS SHALL HAVE LAPS NO LESS THAN 100mm, ROOF UNDERLAYS SHALL BE LAID HORIZONTALLY WITH THE UPPER SHEETS LAPPED OVER LOWER SHEETS TO ENSURE WATER IS SHED TO THE OUTER FACE OF THE UNDERLAY.

3 ROOF PITCH

MIN ACCEPTABLE ROOF PITCH = 9°. FOR ROOF PITCHES 9 - 12 DEGREES COMPLETELY COVER ROOF WITH 2 LAYERS OF UNDERLAY OR 1 LAYER OF 'PEEL AND STICK' IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS. FOR ROOF PITCHES 12 DEGREES AND GREATER COMPLETELY COVER ROOF AREA WITH 1 LAYER OF ROOFING UNDERLAY.

4 SHINGLE STARTER COURSE

USE GAF STARTER STRIP OR A STRIP SHINGLE INVERTED WITH THE HEADLAP APPLIED AT THE EAVE EDGE WITH AT LEAST 10mm TRIMMED FROM THE END OF THE FIRST SHINGLE, START AT THE RAKE EDGE OVERHANGING THE EAVE 12mm TO 20mm. FASTEN 50mm FROM THE LOWER EDGE AND 25mm FROM EACH SIDE. SHINGLES MAY BE APPLIED WITH A COURSE ALIGNMENT OF 45° ON THE ROOF.

1. FIRST COURSE

START AT RAKE AND CONTINUE COURSE WITH FULL SHINGLES LAID FLUSH WITH THE STARTER COURSE.

2. SECOND COURSE

START AT THE RAKE WITH THE SHINGLE HAVING 145mm TRIMMED OFF AND CONTINUE ACROSS ROOF WITH FULL LENGTH SHINGLES.

3. THIRD COURSE

START AT THE RAKE WITH THE SHINGLE HAVING 285mm TRIMMED OFF AND CONTINUE ACROSS WITH FULL LENGTH SHINGLES.

4. FOURTH COURSE

START AT THE RAKE AND CONTINUE ACROSS WITH FULL LENGTH SHINGLES ACROSS ROOF.

5. FIFTH AND SUCCEEDING COURSES

REPEAT THE APPLICATION AS SHOWN FOR SECOND, THIRD AND FOURTH COURSES. DO NOT RACK SHINGLES STRAIGHT UP THE ROOF.

5 FASTENERS

ALWAYS NAIL THROUGH THE FASTENER LINE. SHINGLING NAILS: STAINLESS STEEL GUN NAILS WITH 9mm HEAD, SEMI RING SHANKED, 32mm OR 25mm IN LENGTH WITH A 3mm DIAMETER SHANK. GAF RECOMMENDS 30mm FOR NEW ROOFS AND 40mm FOR ROOF OVERS. IN CASES WHERE APPLYING SHINGLES TO A ROOF THAT HAS AN EXPOSED OVERHANG, (FOR NEW ROOFS ONLY), 20mm RING SHANK NAILS ARE ALLOWED TO BE USED FROM THE EAVE EDGE TO A POINT UP THE ROOF THAT IS PAST THE OUTSIDE WALL LINE. 25mm RING SHANK NAILS ALLOWED FOR REROOF. NOTE: AN IMPROPERLY ADJUSTED NAIL GUN CAN RESULT IN UNDERDRIVEN NAILS THAT CAN CAUSE A FISHMOUTHED APPEARANCE AND PREVENT SEALING. FASTENERS SHOULD BE LONG ENOUGH TO OBTAIN A 19mm PENETRATION OR PENETRATE THROUGH SUBSTRATE WHICHEVER IS LESS.

For technical assistance call 0800 423355 or visit www.gafroofing.co.nz