

CONSTRUCTION DETAILS FOR 'GAF ASPHALT SHINGLE ROOFING SYSTEM'

## CONSTRUCTION NOTES:

### READ THOROUGHLY BEFORE COMMENCING WORKS

ALL MATERIALS TO BE DRY AT THE TIME OF APPLICATION. UNDER NO CIRCUMSTANCES SHOULD ANY MATERIALS BE TORCH DRIED.

ALL SARKING AND SUBSTRATE MATERIALS TO BE DRY PRIOR TO LAYING OF WATERPROOF MEMBRANE. ENSURE ALL CONDENSATION AND RAINWATER HAS THOROUGHLY EVAPORATED PRIOR TO COMMENCEMENT OF WORKS.

ALL FLASHING AND FIXING MATERIALS TO BE CORROSION RESISTANT AND APPROVED FOR THE CORROSION ZONE AS SPECIFIED BY THE NEW ZEALAND BUILDING CODE AND NZS 3604:2011.

SEA SPRAY ZONES - TYPE 304 STAINLESS STEEL  
ALL OTHER ZONES - TYPE 304 STAINLESS STEEL OR HOT DIP GALVANISED WITH ADDITIONAL PROTECTION AS PER NZS 3604:2011 4.4.4 AND 4.4.5 REQUIREMENTS.

FOR HIGH, VERY HIGH AND EXTRA WIND ZONES, THE NUMBER OF FIXINGS PER SHINGLE SHALL BE 6 NAILS PER TILE AND ALL SHINGLE RAKES AND EAVES TO BE GLUED WITH APPROVED ROOFING CEMENT.

PLYWOOD SUBSTRATE TO BE LAID WITH STAGGERED JOINTS TO SHEET EDGES. ALL SHEET EDGES SHALL BE SUPPORTED WITH NOGS OR ROOF FRAMING FOR FIXING UNLESS A STRUCTURALLY TESTED AND APPROVED TONGUE IN GROOVE EDGE SHALL PROVIDE EQUIVALENT OR BETTER SUPPORT. GALVANISED 'H' CLIPS CAN BE USED FOR SQUARE EDGE PLYWOOD.

ALL SHEETS TO BE LAID WITH A 3mm INTER SHEET EXPANSION JOINT  
PLYWOOD SUBSTRATE SHALL BE LAID WITH THE FACE GRAIN AT RIGHT ANGLES TO THE SUPPORTS. UNDER NO CIRCUMSTANCES SHALL THE SARKING / SUBSTRATE BE LAID DIAGONALLY. ALL SARKING / SUBSTRATES SHALL HAVE A MAX OF 18% MOISTURE CONTENT AT THE TIME OF APPLICATION OF MATERIALS.

D226+ OR BRANZ 529 SPECIFIED UNDERLAY USED WITH ASPHALT SHINGLE ROOFING.  
SEE BRANZ.529 2012

ALL UNDERLAYS TO BE LAID WITH MIN 100mm END LAPS.