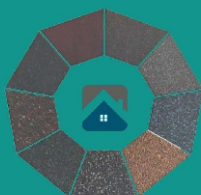


# GEMSTONE

GEMSTONE BITUMEN SHINGLE



**ALGAE  
RESISTANT**

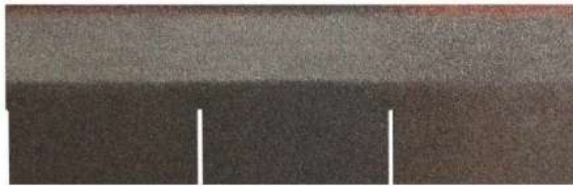


**GEMSTONE**  
BITUMEN SHINGLES





## 3-TAB ASPHALT SHINGLE



Infront

Back

3-Tab shingle is the most basic and least expensive, entry level roof shingles rated for up to 60mph 70mph wind uplift. Most 3-tab shingles come with a limited warranty provided by the product manufacturer; 20 to 25 years limited warranty is the norm for 3-tab shingles. You can easily recognize this style of shingles by its simple 3-tab pattern. You will normally need three bundles of shingles to cover 100 sq. ft. of roof surface.

### Technical details of asphalt shingle

Weight of fiberglass	95g/m <sup>2</sup>
Type	3-Tab (Rectangle) asphalt shingle
Length mm	1000±3
Width mm	333 <sup>+5</sup> <sub>-3</sub>
Thickness mm	>=2.6
Heat resistance	No flow, slide, drippage and bubble(90 degree centigrade)
Flexility	No crack being bent for 10(degree centigrade)
Watertightness	No Leakage
Weight ( kgs/bundle )	29±1/bundle
Coverage area	3.1m <sup>2</sup> /bundle
Sheets per bundle	21 PC/bundle
Wind resistant	120km/h
Warranty ( year )	25years
Fire resistant	Class E(CE)
Algae resistant	5-10years



Mixed Terra Cotta



Mixed Estate Gray



Mixed Onyx Black



Mixed Desert Tan



Mixed Chateau Green



Mixed Harbor Blue



Mixed Brown Wood



Mixed Snow White

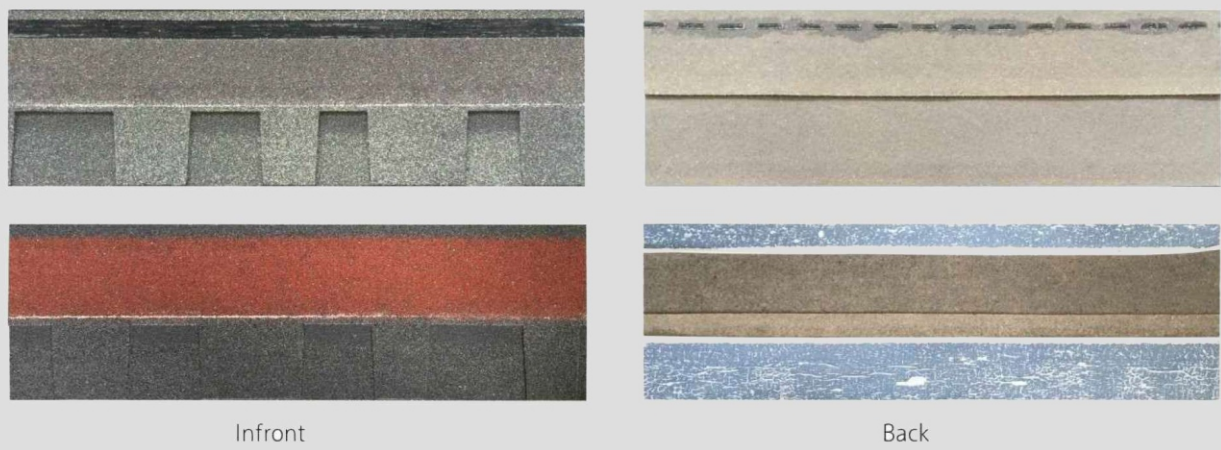


Mixed Autumn Brown



Mixed Mahogany

# ARCHITECTURAL ASPHALT SHINGLE



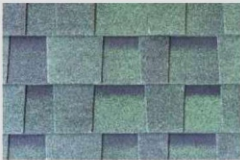
Architectural style also known as dimensional (laminated or composition) shingles will provide a beautiful 3-dimensional look to your roof, imitating the look of natural wood or slate shingles.

## Technical details of asphalt shingle

Weight of fiberglass	95g/m²
Type	Architectural asphalt shingle(Laminated or composition shingle)
Length mm	1000±3
Width mm	340 <sup>+5</sup> <sub>-3</sub>
Thickness mm	>=5.2
Heat resistance	No flow, slide, drippage and bubble(90 degree centigrade)
Flexility	No crack being bent for 10(degree centigrade)
Watertightness	No Leakage
Weight ( kgs/bundle )	28±1/bundle
Coverage area	2.32m²/bundle
Sheets per bundle	16pc/bundle
Wind resistant	140km/h
Warranty ( year )	35 years
Fire resistant	Class E(CE)
Algae resistant	5-10years



Mixed Brown Wood



Mixed Chateau Green



Mixed Desert Tan



Mixed Estate Gray



Mixed Harbor Blue



Mixed Mohaqany



Mixed Onyx Black



Mixed orange red



Mixed Snow white



Mixed Terra Cotta



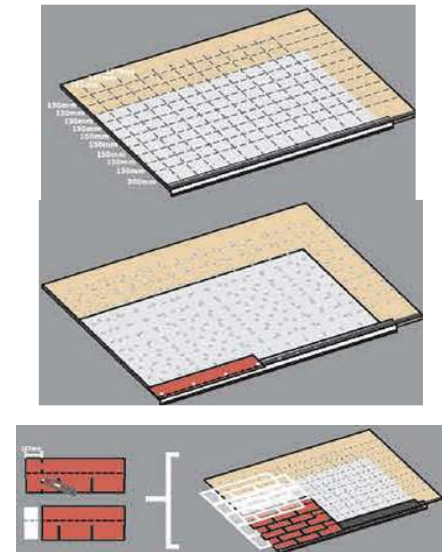
# ASPHALT SHINGLE INSTALLATION

The diameter of nails should be 2.8mm at least, the diameter of nail top should be more than 9mm, the length is 25mm, which should go through the roof panel 19mm at least. If the thickness of the roof panel is less than 19mm, the nail should be able to go through it.

- The correct method of fixing the nail is
- The nails must be galvanized rust treatment.
  - Each shingle should use 6 nails in correct positions.
  - The nails should be nailed straightly, and the top cap keep flat to the shingle.

The nails located 16mm above the decorative seam, the distance from both sides of the end is 25mm, and the distance from the center of each decorative seam is 25mm.

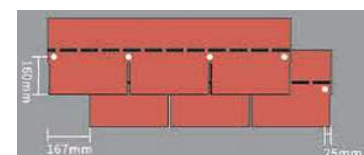
## THE BASIC REQUEST OF ROOF



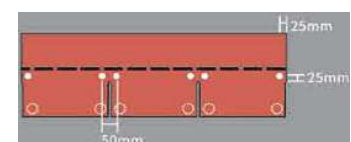
## THE REQUEST OF NAILS



5° - 60°



60° - 90°



## ROOF INTRODUCE

- PLYWOOD SHEETING
- EAVES
- FELT UNDERLAYMENT
- SEETON ASPHALT SHINGLE
- VALLEY
- FLUE LINER
- ROOF VENT
- RIDGE
- HIP



## CONSTRUCTION TOOLS

