

Fiberglass Reinforced Asphalt Shingle

Description

The shingle is made from fiberglass felts coated with a layer of modified bitumen by thermoplastic elastomer (Styrene Butadiene Styrene), finished with colorful mineral granules on the upper surface and polyethylene film on the lower side. The shingle is designed for slope roof gradient 15° to 90°, the fiberglass reinforced shingle is not only waterproof but also aesthetically pleasing. The shingle is economic roofing materials and available in wide variety of colors and styles with excellent weather, fire and wind resistance.

Features

- ◆ Excellent waterproofing and durability
- ◆ Five different styles and 12 colors to select
- ◆ Strong adaptability to deformation and all climates
- ◆ Light weight and environmental roofing materials.
- ◆ Self-cleaning, heat insulation and noise absorbing
- ◆ Fireproof and wind resistance

Uses

Roofs of residential and commercial buildings, such as villas, houses, chambers, hotels, resorts. etc.



- ① Fish scale ② Laminate ③ 3-Tab
 ④ Mosaic ⑤ Gothic

Products specification

Item	Length mm	Width mm	Thickness mm	Expose mm	Weight/Bundle kg	pcs/ m ²	Construction area, m ² /bundle
Laminate	1000±3	333±3	5.2±0.2	145±2.0	30±1.0	7	2.32
3-Tab	1000±3	333±3	2.7±0.1	145±2.0	30±1.0	7	3.0
Mosaic	1000±3	333±3	2.7±0.1	145±2.0	23±1.0	7	3.0
Fish scale	1000±3	333±3	2.7±0.1	145±2.0	30±1.0	7	3.0
Gothic	1000±3	333±3	2.7±0.1	145±2.0	23±1.0	7	3.0

Technical Data: Executive Standard GB/T20474-2006

No	Item	Single layer	Double layer
1	Soluble content, g/m ² ≥	1000	1800
2	Tension, N/50mm ≥	MD	500
		CD	400
3	Heat resistance, 90°C	No sliding, flowing, dripping, bubbles	
4	Low temperature flexibility, 10°C	No crack	
5	Tear strength, N ≥	9	
6	Water impermeability, 0.1MPa,30min	Impermeable	

7	Anti-nail extraction performance, N \geq	75	
8	Adhesivity of mineral granules b/g \leq	1.0	
9	Peeling strength of metallic foil, N/mm \geq	0.2	
10	Anti-wind performance	Pass	
11	Heat-resistance of the self-adhesive glue	50°C	sticky

Packing

3-Tab, Mosaic, Fish scales, Gothic shingles: 21pcs/bundle, 45bundles/pallet, 20 pallet/20'GP
Laminated shingles packing and shipping: 16 pcs/bundle, 45bundles/pallet, 20 pallets/20'GP

Application instructions

Underlayment: At standard slopes (4" per foot or greater) a shingle underlayment is needed. Yosaito Waterproof breathable membrane (WBM110). On low slopes (2" to 4" per foot), PE waterproof membrane (OM400) and Self-adhesive bitumen membrane (BMS030A) are recommended to use.

Fastening: Four nails are required per shingle. For English-sized shingles they are to be located 5/8" above the top of each cutout and 1" and 12" in from each side of the shingle. For Metric-sized shingles they are to be located 1" and 13-1/8" in from each side of the shingle. They must be of sufficient length to penetrate into the deck 3/4" or through the thickness of the decking, whichever is less. Nails are to be 11 or 12 gauge, corrosion-resistant roofing nails with 3/8" heads.

On steep slopes greater than 21" per foot, apply a 1" diameter spot of asphalt roofing cement (ASTM D4586) under each shingle tab corner according to application instructions provided on the shingle package.

Storage

Be stored in well-ventilated places protected from sunlight and raining. The temperature in stored areas can not be higher than 50° C.

The normal shelf life is unlimited.

Safety precautions

Do not work in a rainy or snowy day, or heavy wind (above 5 grade); Unsuitable for installation when ambient temperature below 0°C.

If it rains or snows in the construction, protective action to the laid membrane is a must.

Safety protection facilities and articles shall be well prepared, fire-fighting equipment shall be deployed according to regulations.