



GILPIN COUNTY ASPHALT ROOF REQUIREMENTS

General Information

- Applicable codes include 2015 IRC and IBC.
- Permits are required if over 100 square feet.
- Overlays are not permitted.
- All roofing materials must be installed per manufacturer's Instructions.
- A mid-roof inspection is not required. However, digital photos must be submitted in lieu of a mid-roof inspection. Photos should show ice & water shield, nailing pattern and typical flashing.
- Shingle and ice & water shield labels or entire packaging, and nails shall be available at time of final inspection.

Slope – Asphalt shingles shall be used only on roof slopes 2:12 or greater.

Wind

- Gilpin County Wind Speed = 130 mph nominal or 168 mph ultimate.
- Allowable asphalt shingles shall be identified by one of the following high-wind speed designations:

ASTM D 7158	ASTM D 3161
H	F

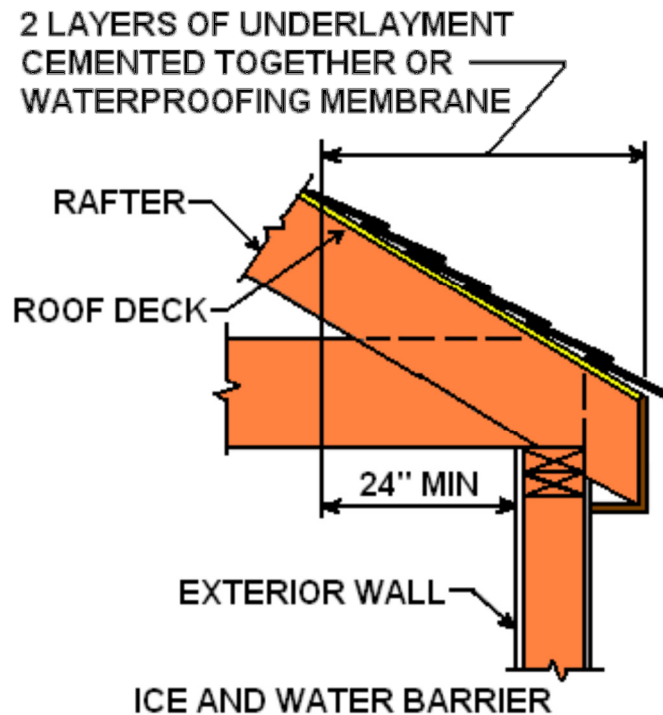
Fire Rating – All asphalt shingles shall have a ASTM Class A fire rating

Drip Edge – Required on all eaves and rakes.

Underlayment

- For roof slopes 2:12 to 4:12, underlayment shall be two layers.
- For roof slopes greater than 4:12, underlayment may be one layer.

Ice Shield – Except for detached accessory structures containing no conditioned floor area, ice shield is required in valleys and above eaves as shown below.



Fasteners

- Asphalt shingles shall be fastened to solidly sheathed decks.
- Nails shall be galvanized steel, stainless steel, aluminum or copper
- Shank shall be 12 gage minimum.
- Head shall be $\frac{3}{8}$ inch minimum diameter
- Length shall be sufficient to penetrate through the roofing materials and a minimum of $\frac{3}{4}$ inch into the roof sheathing.
- Where the roof sheathing is less than $\frac{3}{4}$ inch thick, the fasteners shall penetrate through the sheathing.

