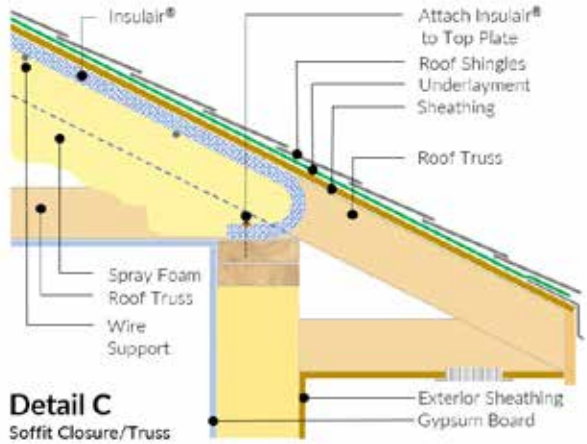
INSULAIR®
Rafter Vent Mat

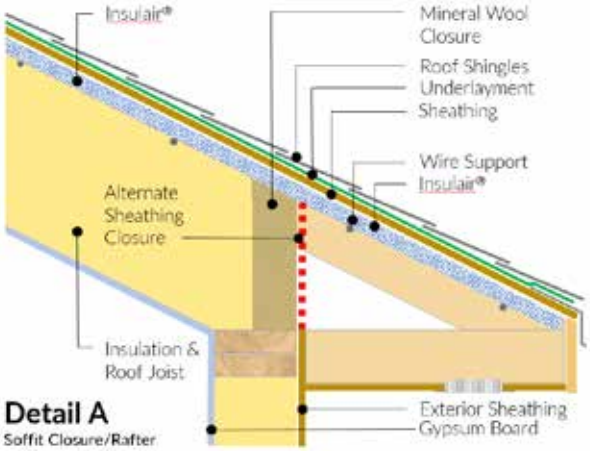
Installation Instructions

Recommendations

Choose the proper size of Insulair® for your application. The Insulair®14.5" is recommended for rafters spaced at 16" O.C. The Insulair® 22.5" is recommended for rafters spaced at 24" O.C.



Detail C
Soffit Closure/Truss



Detail A
Soffit Closure/Rafter

Step 1

Attach Insulair® to the roof plate near the soffit with the filter fabric facing toward the interior and the entangled filament against the roof deck. Run it up the underside of the roof deck and bend it into a "U" at the roof plate to create an end dam that supports foam adhesion, maintains airflow, and reduces wind washing. To prevent foam from blowing between each course of Insulair® attach an additional layer of blocking fabric, or insulation blocking.

Alternatively, you can minimize wind washing by blocking off the area between the roof plate and underside of the roof deck at soffit locations with either mineral wool, or by extending the wall sheathing.

Step 2

Unroll Insulair® from the eaves up towards the ridge. Place the support wires approximately 12" apart below the Insulair® fabric with a friction fit created between the two roof rafters. This will keep the Insulair® snug to the underside of the roof deck.

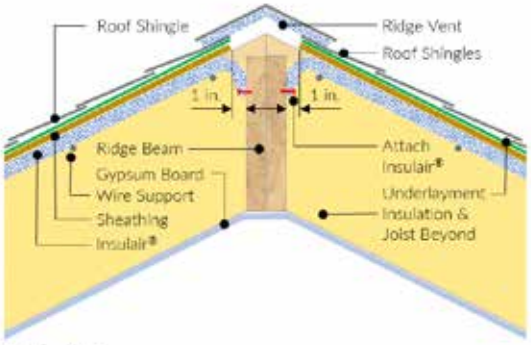
Alternatively, you can mechanically fasten Insulair®; however, take precaution that the staple or nail length will not penetrate entirely through the roof deck.

Step 3

Run Insulair® against the underside of the ridge location and down the other side of the roof deck for a continuous installation.

When a ridge beam is present, fold the Insulair® so it runs down the ridge board a few inches and attach with staples or nails. Again, be sure the fabric is facing outward to avoid spray foam from being able to get into the ventilation space created by Insulair® at the ridge vent location.

Detail E
Ridge Vent/No Ridge Beam



Detail D
Ridge Vent/Ridge Beam

Additional Considerations

In any condition that requires an end-to-end butt joint of the Insulair® material, tape the joint for all spray foam applications. Tape with flashing tape or duct tape to prevent spray foam intrusion that would block the ventilation space.