



HOW TO TIE TPO UNDERNEATH A SHINGLE ROOF



»» What is a “tie in”?

The spot where one roof system meets another. Where TPO meets shingles is a common leak and problem point. If it's not tied in right, water can run back under the shingles and into the house. A clean tie-in with the right materials keeps the roof sealed and strong.



1 Fasten the TPO at Transition

- **At the transition always fasten the TPO** with screws and plates every **6 inches on center**.
- Make sure the plates are tight and flat.
- It's good practice to leave a little extra of the initial sheet running up the slope.
- **Ensure your insulation is level and even at the transition so that there is no bump or valley here.** This requires cutting the insulation at an angle where it meets the slope transition so there is not a large gap.



2 Fasten the TPO at Transition

- The tie-in sheet must extend **at least 2 feet under the shingle underlayment**.
- Slide it up underneath the underlayment of shingle section so water flows down and over it.
- At this stage the tie in piece can be welded.



3

Shingle Down, Seal the Transition

- Shingle the side as normal (**Ensure no nails are to low to the TPO roof**).
- Ensure TPO and its edge metal goes under shingle drip edge metal.
- Use an approved waterblock or polyurethane sealant to seal the bottom shingles down to the TPO system.
- **Never use roofing cement**—it is not compatible with TPO.



TPO and TPO Edge
Metal Goes Under
Shingle Edge Metal.



How to Tie TPO Underneath a Shingle Roof

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