

NOTE: This detail is not intended for use on hot pipes, see CTL-SF-09 Hot Pipe Flashing, SmartFlash ONE.

Anchor, Base Ply and Cap Sheet

Mechanically attach or fully adhere (self-adhered, torch, cold process or hot asphalt) to base of penetration. Proper attachment is defined by specific system, product selection and deck type.

Pipe

If pipe is manufactured with PVC, abrade the surface with sand paper prior to resin application. This is also recommended for surfaces with rust or paint. All other surface should be clean and free of moisture, oil or debris.

Tape (Recommended)

Tape off desired edges for clean detail aesthetic.

Polyester Reinforcement Preparation (Recommended)

Prepare SmartFlash ONE Reinforcements prior to applying any resin.

FINGER FLASHING: For pipe or round penetrations, it is necessary to cut “fingers” into one side of the polyester to allow the material to radiate onto the field of the roof without creases.

FLASHING STRIPS: Additionally, prepare two 6” strips cut to 10” in length with half-circles removed to allow for the strips to overlap when placed on opposite sides of the pipe.

First Waterproofing Coat

Using a paint brush, roller or trowel for resin application, apply approximately 30 mils of wet resin to the Cap Sheet approximately 4” (100 mm) horizontally surrounding the penetration and 4” vertically up the penetration.

Immediately lightly press “finger” Reinforcement into wet resin onto field and wrapping pipe; saturate and coat field and vertical Reinforcement with resin such that no reinforcement is visible. Extend resin out to pre-defined detail edges (tape), approximately 10” x 10”, at approximately 30 wet mils.

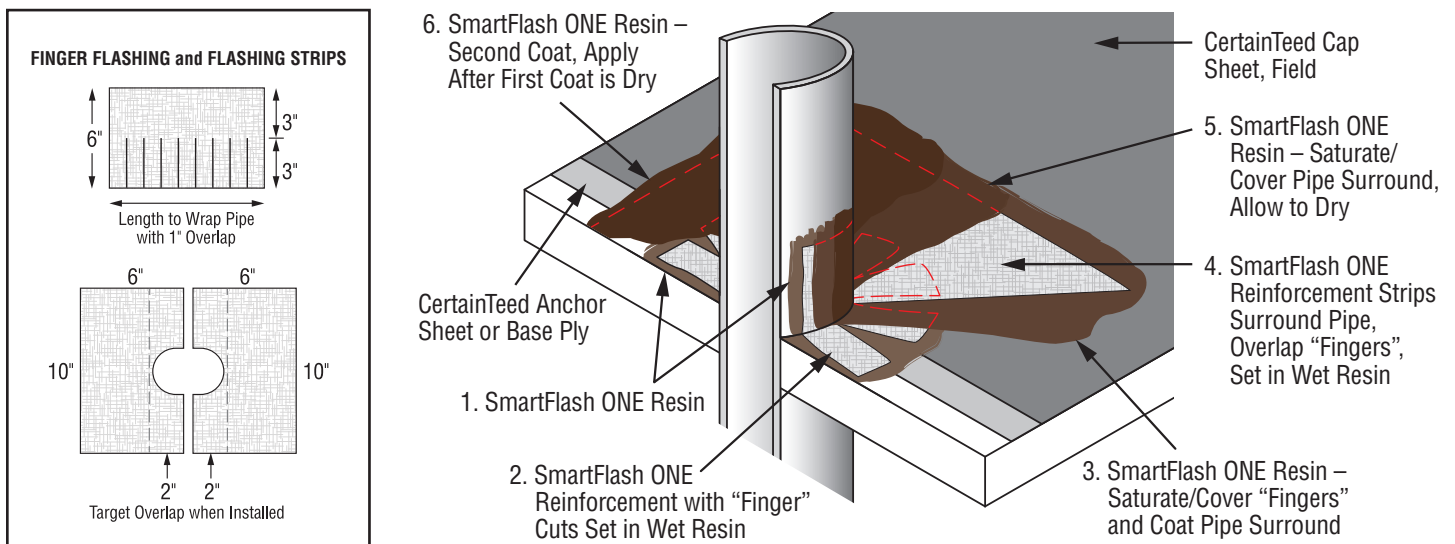
Immediately lightly press field Reinforcement strips into wet resin. Reinforcement strips must overlap each other by a minimum of 2” (50 mm); saturate and coat Reinforcement strips, including overlapped surfaces, with resin such that no Reinforcement is visible. Allow to dry 2-3 hours (assumes 70°F or 20°C).

Second Waterproofing Coat

Apply approximately 30 mils of wet resin to entire surface covered by first coat.

Granules (Optional)

If desired, broadcast granules into the second waterproofing coat before it forms a skin.



NOT DRAWN TO SCALE