

HEAT BARRIER SYSTEMS, INC.

NEW CONSTRUCTION or RE-ROOF EXISTING STRUCTURES

Residential/Commercial - White Side Facing Up:

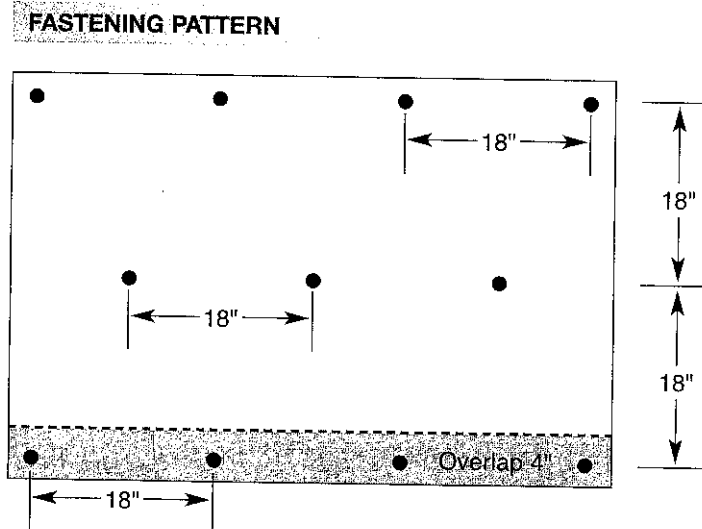
Shingles
Tile
Metal

During application UV Shades/Safety Glasses should be utilized, as product is very reflective on both sides. White side may cause temporary eye irritation, and aluminum side may cause sun reflective glare, if suggested eye protection is not worn.

Step (1) on new construction (roofs). Remember Polaralum is a base sheet, not like 30# or 15 # standardized felts, but application methods are similar.

- 1) Roll-out Polaralum, pull tight. Allow material to come to edge of roof.
- 2) Use of staples, nails, plastic caps need to be placed in an 18" (inch) diamond pattern. (See below example)
- 3) Over-lap joints, 1" (inch) is acceptable.
- 4) Place nails, staples, plastic caps on 4" (inch) intervals on lap joints. In open field applications use an 18" (inch) pattern with a 9" (inch) center point.

See Below



Starter course at edge on roof.
4" (inch) spacing for fasteners.

SPECIAL APPLICATION NOTES:

- 5) To obtain the wind rating of 125-150 mph uplift application fasteners must be placed as stated above, and be lapped 6" (inches) per Factory Mutual Requirement Specifications.
- 6) Types of fasteners acceptable.

1" - 1 ½" (inch) plastic caps (Optional)
1" - 1 ¼" (inch) nails
1" (inch) staples

NOTE:

Metal caps used in high wind areas. Coastal areas to meet state and local requirements and Insurance requirements.

- 7) Polaralum will enhance shingles to extend their life as heat transfers away from decking and back through shingles.
- 8) Polaralum has a slip resistant polyester mat, noting proper safety equipment being used by personnel, walking on 8/12 to 12/12 pitches is easily accomplished.
- 9) Polaralum withstands moisture (snow, ice, rain) with no visible damage to material for extended periods of time.
- 10) After heavy rain, allow material white side to dry out 30 minutes in the sun before walking on surface.
- 11) The Polaralum white side is easy to mark with chalk for straight runs on shingles, tile, metal shingles, synthetic shingles, etc.
- 12) Application of Polaralum is suitable for valleys, blind valleys, up and over ridges, hips, etc, everywhere on deck surfaces.