

## Roof Systems: Recommended Materials

	Standing Seam Metal	Single-ply Membrane	Built-up Multi-ply	Concrete Tile	Clay Tile	Slate Shingles	Vegetated System	Ribbed Metal Sheetting	Composite Shingles
<b>Group 1</b> HQ, Command, ECFs, Chapels	●	●	○	◐	○	○	●	○	○
<b>Group 2</b> Admin. Squad Ops, Community Support	●	●	○	◐	○	○	●	○	○
<b>Group 3</b> Industrial and Flightline Operations	●	◐	○	○	○	○	○	◐	○
<b>Group 4</b> Family Housing	○	○	○	◐	○	○	○	○	●

Most Appropriate ← ● ————— → ○ Least Appropriate

**General Notes:**

1. Conduct a Life Cycle Cost Analysis: consider the cost of long-term maintenance and eventual replacement
2. Evaluate the roof material relative to the energy used to produce and transport it and to its ability to weather the local climate
3. Evaluate the costs of supplemental systems required by the material: e.g., parapets, eaves, roof drainage, etc.
4. Vegetated roofs are discouraged when potable-water irrigation systems are required
5. Consider Federal HPSB Guiding Principles green product procurement requirements
6. Clay tile, slate shingles, and other materials may be used when following historical guidelines

EPA Resources: <http://www.epa.gov/>  
<https://www.epa.gov/greenerproducts>  
<http://www.biopreferred.gov/>