

Background



- Launched in February 1999
- Currently 187 Manufacturing Partners
- Approximately 1,200 individual products
- Qualifying products must meet solar reflectance criteria without compromising quality
- Products are self-certified by Partners

Current Specifications



Low-slope roofs:

- Products must exhibit an initial solar reflectance value of 0.65 or greater
- Products must exhibit a solar reflectance value of 0.50 or greater after 3 years

Steep-slope roofs:

- Products must exhibit an solar reflectance value of 0.25 or greater
- Products must exhibit a solar reflectance value of 0.15 or greater after 3 years

Currently Revising Specification - Proposed Changes



- Include thermal emittance component of .75
 - not truly a “cool roof” without this
 - consistent with other initiatives
 - new test procedures required
- Incorporate CRRC test method
- Do not allow cleaning of roof samples before testing
 - not happening in reality
 - required of all new products while older ones will be listed as cleaned or not cleaned
- May also propose increase in reflectance to .70
- No testing using accelerated aging techniques
 - proposed by some stakeholders
 - insufficient data to warrant a change and most feedback has been negative

Currently Revising Specification - Expected Timeframe



- Draft 1 of revised specification released December 15, 2005.
- Comment period lasted until January 19, 2006.
- EPA will review comments and hold discussions with stakeholders
- Will be second opportunity for comments on a newer draft.
- Proposed effective date of October 31, 2006
- Only products meeting the new requirements as of this date can remain Energy Star qualified - others will be removed from list and manufacturer notified

URL Addresses



- <http://www.energystar.gov>
- **OR**
- **http://www.energystar.gov/index.cfm?c=revisions.roofs_spec**