

Development of Cool Colored Roofing Materials

Project Advisory Committee Meeting

9 am to noon (EDT)

Thursday, September 9, 2004

Oak Ridge National Laboratory

Oak Ridge, Tennessee

Supplementary Papers

1. Levinson, R., P. Berdahl and H. Akbari. 2004. Solar spectral optical properties of pigments, Part I: model for deriving scattering and absorption coefficients from transmittance and reflectance measurements. Submitted to *Solar Energy Materials & Solar Cells*.
2. Levinson, R., P. Berdahl and H. Akbari. 2004. Solar spectral optical properties of pigments, Part II: survey of common colorants. Submitted to *Solar Energy Materials & Solar Cells*.
3. Miller, W. A., Desjarlais, A.O., Akbari, H., Levinson, R., Berdahl, P. and Scichili, R.G. 2004. Special IR reflective pigments make a dark roof reflect almost like a white roof. In Thermal Performance of the Exterior Envelopes of Buildings, IX, in progress for proceedings of ASHRAE THERM IX, Clearwater, FL., Dec. 2004.
4. Akbari, H., P. Berdahl, A. Desjarlais, N. Jenkins, R. Levinson, W. Miller, A. Rosenfeld, C. Scruton, and S. Wiel. 2004. Cool colored materials for roofs. In ACEEE Summer Study on Energy Efficiency in Buildings, proceedings of American Council for an Energy Efficient Economy, Asilomar Conference Center in Pacific Grove, CA., Aug. 2004.
5. Akbari, H., R. Levinson, and P. Berdahl. 2004. A review of methods for the manufacture of residential roofing materials. To be submitted for journal publication.
6. Terrenzio, L.A., J.W. Harrison, D.A. Nester, and M.L. Shiao. 1997. Natural vs. artificial aging: use of diffusion theory to model asphalt and fiberglass-reinforced shingle performance. In Proc. of the 4th International Symposium on Roofing Technology.