



December 28, 2012

California Energy Commission

DOCKETED
12-BSTD-7

TN # 68984

DEC. 28 2012

Docket No. 12-BTSD-07

Proposed Compliance Option for Low-Slope Roofs that Use Aggregate as the Surface Layer for Showing Compliance with the 2008 Building Energy Efficiency Standards

Comments on the proposed criteria:

The use of aggregate on low sloped roofs has been shown by ORNL in association with SPRI to provide energy savings beyond that of reflective roof surfaces. Additionally, the EPDM Roofing Association has provided further research and documentation to the CEC in this regard. As such, consideration should be given to not limiting this new standard to aggregate but to open it to stone surfacing.

The Eligibility Criteria should be revised as follows with the suggested nomenclature in red:

- Conforms to material standards ASTM D1863 and ASTM D448. [this then is coordinated with the last criterion]
- Has...Standards or has a coverage weight of 10#/SF
- Aggregate shall pass a No. 2 sieve and is retained by a No. 8 sieve that conforms to ASTM D448
- Has a label on bags, or containersD448 for surfacing on fully bonded roof surfaces

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