

Re: heat value in each color in sunlight – science demo doesn't work well

Source: <http://sci.tech–archive.net/Archive/sci.astro.amateur/2005–12/msg00895.html>

- *From:* Chris L Peterson <clp@xxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Sun, 11 Dec 2005 16:47:04 GMT
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On Sun, 11 Dec 2005 16:22:41 GMT, mack <jmack@xxxxxxx> wrote:

>(replying to myself...). I'll try a box with the
>inside of (reflecting) aluminum foil. I need to
>get some more thermometers first

I predict that the box with aluminum foil will get very hot. Bare aluminum strongly absorbs IR. That is why things that need to stay cool in the Sun (like observatory domes) are painted white, not shiny aluminum.

Gold is a good reflector of IR– might be interesting to gold plate the back of one of your boxes. What's your budget? <g>

Chris L Peterson
Cloudbait Observatory
<http://www.cloudbait.com>

• *References:*

- ◆ [*heat value in each color in sunlight – science demo doesn't work well*](#)
 ◇ *From:* mack
- ◆ [*Re: heat value in each color in sunlight – science demo doesn't work well*](#)
 ◇ *From:* mack

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