Temperature Charts

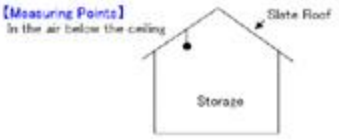
2004

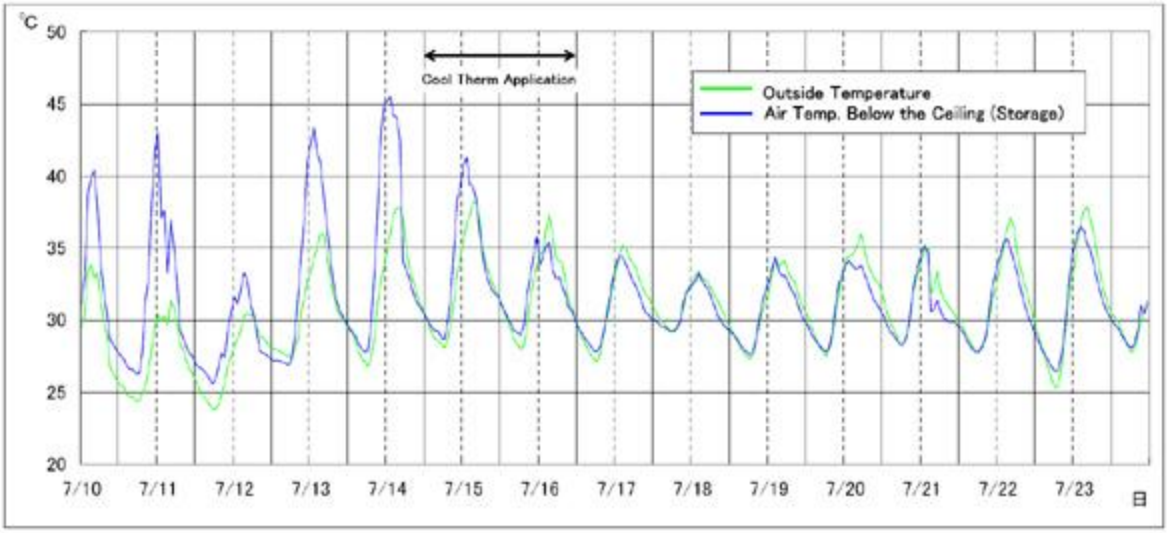
Click on chart to expand image

Fuji Printing Ink MFG. Co., Ltd. (Itami City)

Slate Roof: 875 sqm Application Date: 7/10～7/20, 2004

Air Temperature below the ceiling was reduced by 9.6 ℃ after the application when the outside temperature was consistant at 36.0 ℃.





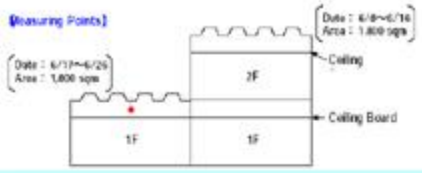
Date	7/10	7/11	7/12	7/13	7/14	7/15	7/16	7/17	7/18	7/19	7/20	7/21	7/22	7/23	7/24
Weather	☂/☀	☀/☂	☁	☀	☀	☀	☀	☀/☁	☁	☁	☁/☀	☀	☀	☀	☀
Max. Outside Temp.	33.9	30.4	30.5	36.0	37.8	38.2	37.3	35.2	33.4	34.4	36.0	35.0	37.1	37.9	32.8
Max. Below the Ceiling	40.4	43.1	33.3	43.4	45.5	41.3	35.4	34.5	33.3	34.4	33.8	35.2	35.6	36.5	32.8

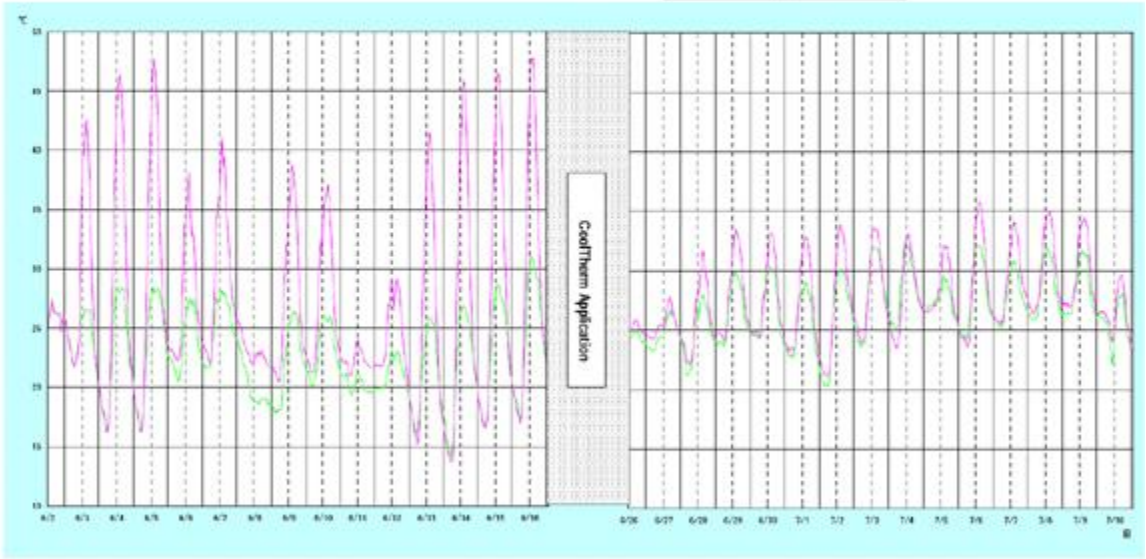
Daiko Shokai Co., Ltd

Hitachi Maxell, Ltd. Ono Factory

Application Date: 1F 6/17～6/26, 2004 Area: 3,600 sqm

Outside Temp. Temp. Inside the Ceiling/Attic





Date	6/3	6/4	6/5	6/6	6/7	6/8	6/9	6/10	6/11	6/12	6/13	6/14	6/15	6/16	Cool Therm Application	6/27	6/28	6/29	6/30	7/1	7/2	7/3	7/4	7/5	7/6	7/7	7/8	7/9	7/10
Max. Outside Temp.	26.6	28.5	28.4	27.5	25.2	19.1	20.4	26.0	25.2	23.1	25.9	26.9	28.6	31.0		26.7	28.0	29.9	30.4	29.0	30.1	32.0	32.5	29.6	32.2	30.8	31.9	31.7	25.3
Max. Ceiling/Attic Temp.	42.6	46.4	47.8	38.1	41.0	23.1	35.8	37.1	24.0	29.0	41.5	45.8	46.5	42.7		27.8	31.7	33.5	33.2	32.8	33.9	33.6	33.1	32.1	35.8	34.1	35.1	34.5	29.2

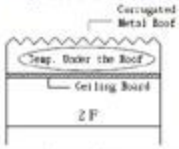
Daiko Shokai Co., Ltd

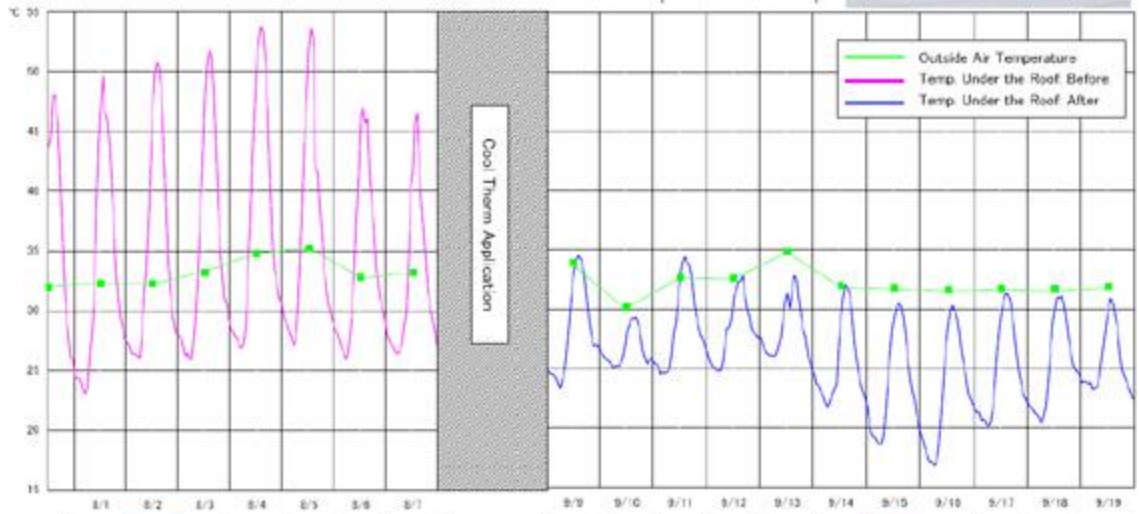
Matsushita Electronic Components Corporation
Module Device Company

Application Date: August, 2003　　Area 3,700㎡

When the weather condition was almost the same (Temp.:about32℃ Weather:Fine), Temperature Under the Roof was reduced by 20.3℃; Before:50.8℃ to After:30.5℃.

[Measurement Points]





Weather	Cloudy/Fine	Fine	Cloudy/Fine	Cloudy/Fine	Fine	Cloudy	Cloudy
Max. Outside Temp.	32.3	32.3	33.2	34.8	35.2	32.8	33.2
Max. Temp. Under the Roof	49.6	50.8	51.8	53.8	53.6	47	46.5

Cool Therm Application

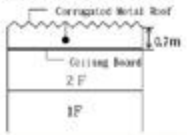
Cloudy/Fine	Rain/Cloudy	Fine/Cloudy	Cloudy/Fine	Cloudy/Rain	Rain/Fine	Fine	Cloudy/Fine	Fine/Cloudy	Fine	Cloudy
33.9	30.2	32.7	32.6	34.8	32	31.8	31.6	31.7	31.7	31.0
34.5	29.3	34.4	32.8	32.8	32	30.5	30.3	31.3	31.1	30.9

Daiko Shokai Co., Ltd.

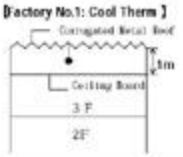
Rohm Wako Co., Ltd. Factory No.1 (Okayama)

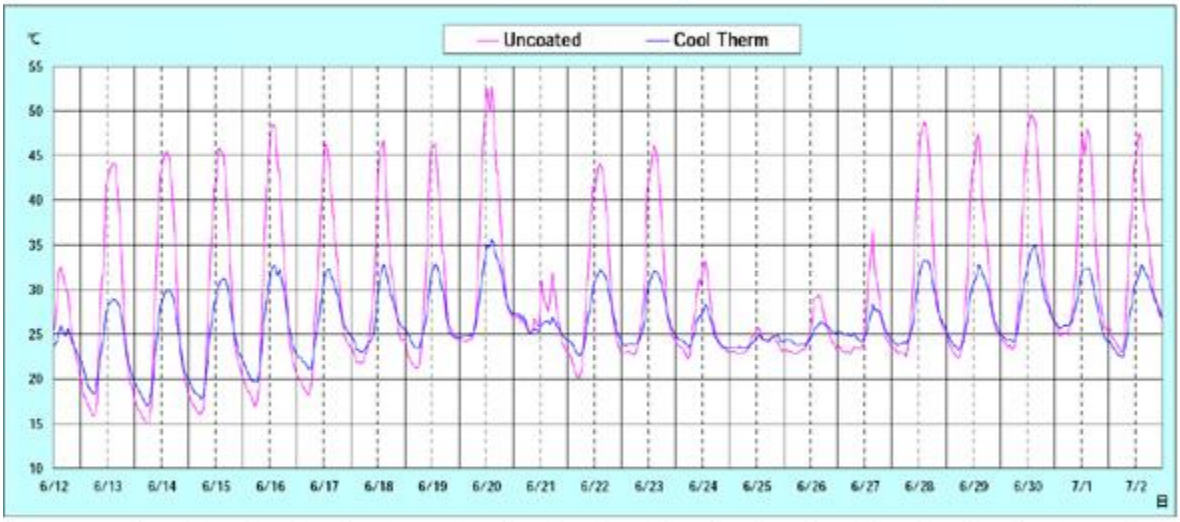
Application Date: May-June, 2004　　Area 4,500sqm

[Administration Build Uncoated]



[Factory No.1: Cool Therm]





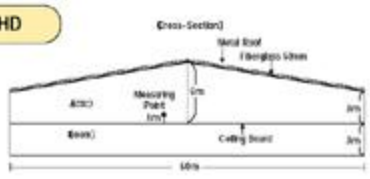
	6/13	6/14	6/15	6/16	6/17	6/18	6/19	6/20	6/21	6/22	6/23	6/24	6/25	6/26	6/27	6/28	6/29	6/30	7/1	7/2
Max. Outside Temp.	25.2	27.2	27.8	31.5	29.9	28.8	29.9	32.8	27.6	29.8	29.6	26.3	25	25.1	26.7	29.1	30.3	31.1	31.2	31.7
Max. Uncoated	44.2	45.5	45.8	48.5	46.3	46.7	46	52.3	31.9	44.1	46.2	33.1	25.7	29.4	33.2	48.8	47.3	49.6	48	47.5
Max. Cool Therm	28.9	30	31.2	32.6	32.3	32.8	32.9	25.6	26.9	32.2	32.1	28.3	24.9	26.4	28.4	33.3	32.7	35	32.4	32.8

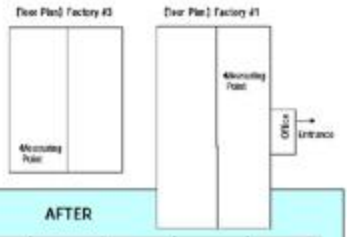
Meteorological Office (Kurumatsu, Okayama)

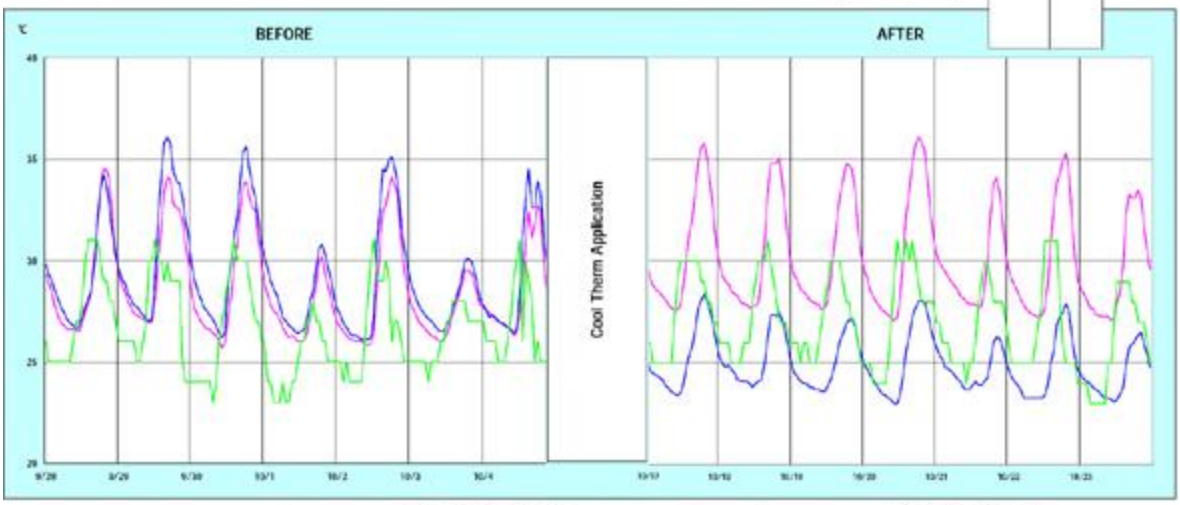
Daiko Shokai Co., Ltd

ROHM-WAKO ELECTRONICS (MALAYSIA) SDN BHD

Date : September 27, 2004~November 3, 2004
Area : 10,629sqm







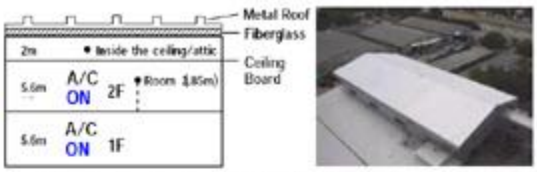
	Before Cool Therm Application									After Cool Therm Application							
	9/28	9/29	9/30	10/1	10/2	10/3	10/4	Average		10/17	10/18	10/19	10/20	10/21	10/22	10/23	Average
Weather	☁/☀	☁	☁	☁	☀/☁	☁	☁			☁	☁	☀/☁	☀/☁	☁	☁	☁	
Outside Temperature	31.0	30.0	30.0	27.0	29.0	28.0	30.0	29.3		30.0	30.0	30.0	31.0	28.0	31.0	29.0	29.9
Max. Attic Temperature: Factory #3 (Uncoated)	34.5	34.1	33.9	30.2	34.1	29.5	32.7	32.7		35.8	35.1	34.8	36.1	34.1	35.3	33.5	35.0
Max. Attic Temperature: Factory #1 (Cool Therm)	34.2	36.1	35.6	30.8	35.1	30.1	34.5	33.8		28.4	27.5	27.2	28.1	26.3	27.9	26.5	27.4
Temperature Gap (Factory #3 - Factory #1)	-0.3	2.0	1.2	0.6	1.0	0.6	1.8	1.1		-7.4	-7.6	-7.6	-8.0	-7.8	-7.4	-7.0	-7.5

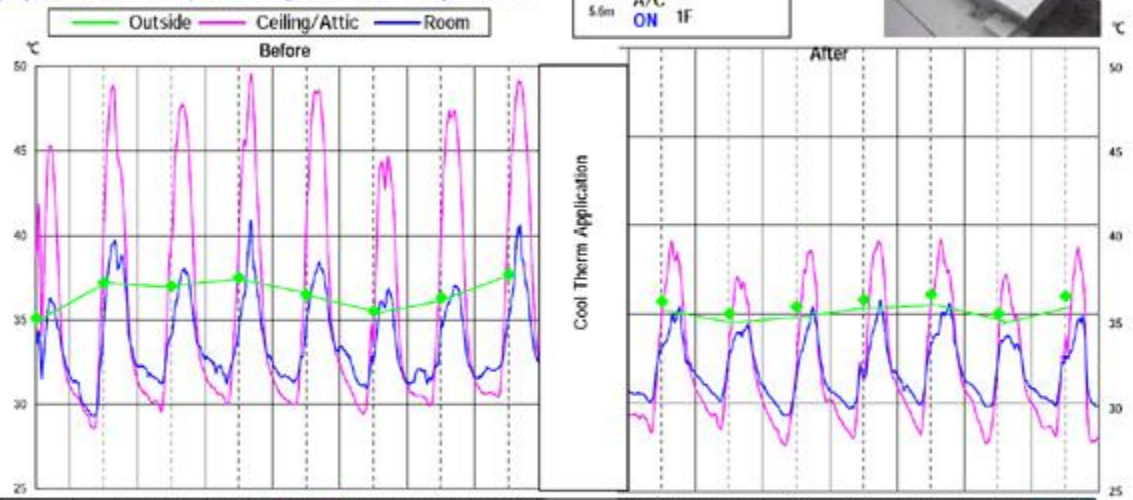
DAIKO SHOKAI (THAILAND) CO. LTD.

Thai Toray Synthetics Co., Ltd

Date: May, 2004 Area 71,100 sqm

The temperature has reduced by about 10 ˚C inside the ceiling/attic, and the room temp. by about3.5 ˚C. The temperature at night has also reduced by 2 to 3 ˚C.

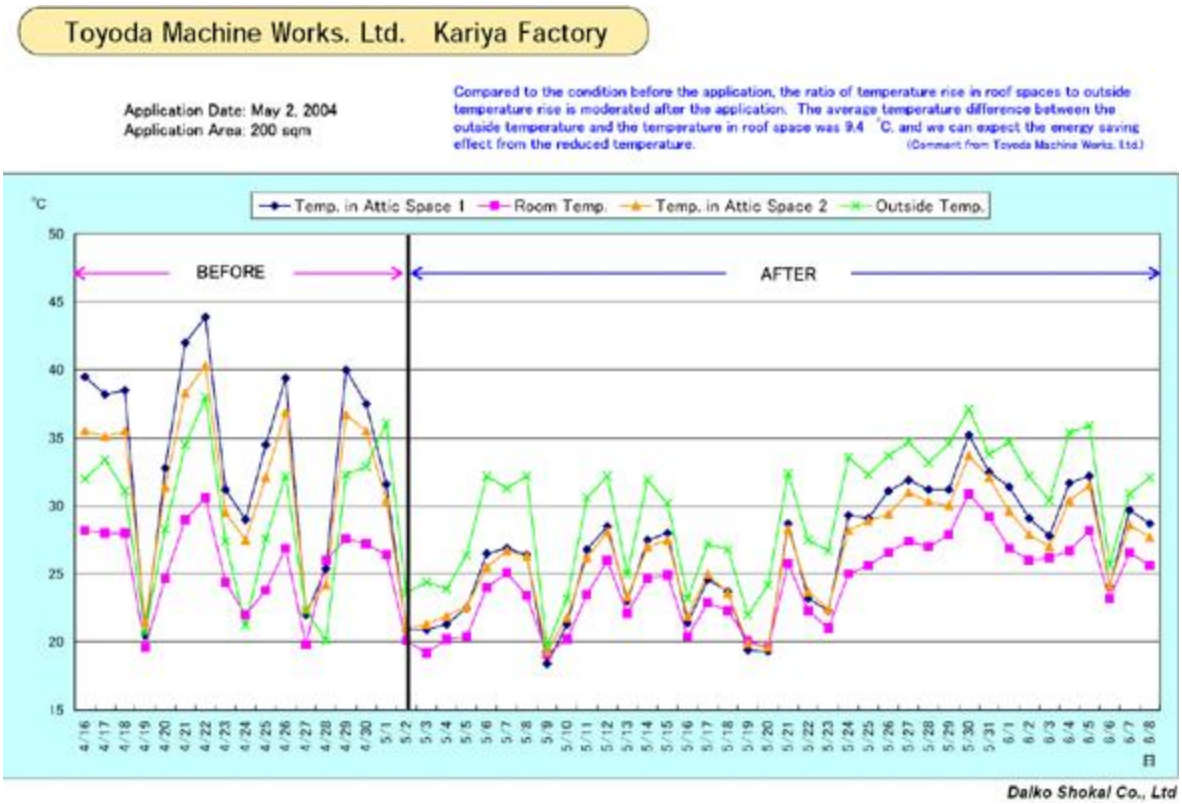




Date	4/6	4/7	4/8	4/9	4/10	4/11	4/12		5/30	5/31	6/1	6/2	6/3	6/4	6/5
Max. Outside Temp.	37.2	37.0	37.5	36.5	35.5	36.3	37.7	Cool Therm Application	35.7	35.0	35.4	35.2	36.1	35.0	36.0
Max. Ceiling Temp.	48.9	47.8	49.6	48.6	44.7	47.4	49.2		39.1	37.1	38.6	39.1	39.2	37.2	38.8
Max. Room Temp.	39.7	38.0	40.9	38.4	36.9	37.0	40.6		35.4	34.4	35.4	35.8	35.6	33.8	34.9

*The Max. outside temp. is presented by the Meteorological Office in Bangkok
*The temperature inside the ceiling and the room temperature were measured with COMPACT WATERPROOF DATA LOGGER (T&D)

Daiko Shokai (Thailand) Co., Ltd



Project Pictures and Reports courtesy of Daiko Shokai