



ENRG Blanket®

PRECISE TEMPERATURE CONTROL
FOR BUILDING ENERGY EFFICIENCY

Using BioPCM® Engineered Smart Material

Optimizes HVAC Power Consumption

Extends HVAC Equipment Lifetime

Reduces Carbon Footprint



25-35%
REDUCTION OF
HVAC
COSTS

15-20%
REDUCTION OF
HVAC
RUNTIME

20-25%
REDUCTION OF
HVAC
CYCLING

What is the ENRG Blanket?

ENRG Blanket® is a drop-in solution powered by our proprietary BioPCM® platform which absorbs and releases significant thermal energy at a specific design temperature resulting in lower heating and cooling energy use by up to 35%.

BioPCM® expected to outlive the useful life of your building.

- Optimizes HVAC power consumption
- Extends HVAC equipment lifetime
- Reduces carbon footprint



SHEET SIZES AND DESIGN OPTIONS

ENRG Blanket® products are shipped prefabricated in 24" x 48" sheets

BioPCM® has been certified to include 100% bio-based content. The BioPCM® platform is made using a combination of naturally available materials, waste streams from the petrochemical industry, and additives.

PRODUCT SPECIFICATIONS

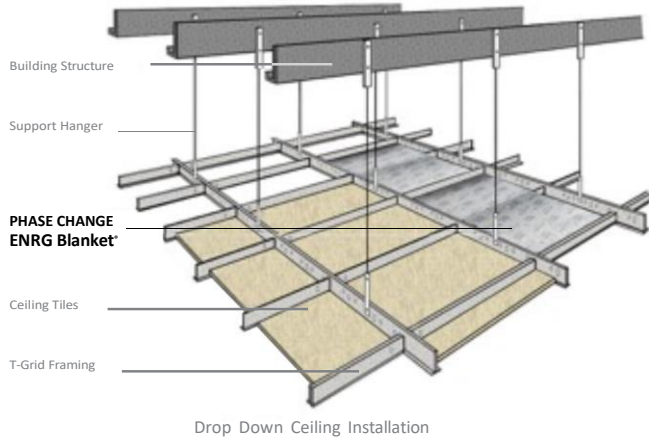
COMMON DESIGN TEMPS	23, 25, 27, 29°C (73, 77, 80, 84°F)
SPECIFIC HEAT OF BIOPCM®	2.0- 2.5 J/g°C
LATENT HEAT	210 J/g (85/lb)
WEIGHT OF BLANKET	0.6 to 1 lb/ft²
RECOMMENDED COVERAGE	65-85% of conditioned square footage

FIRE RATINGS

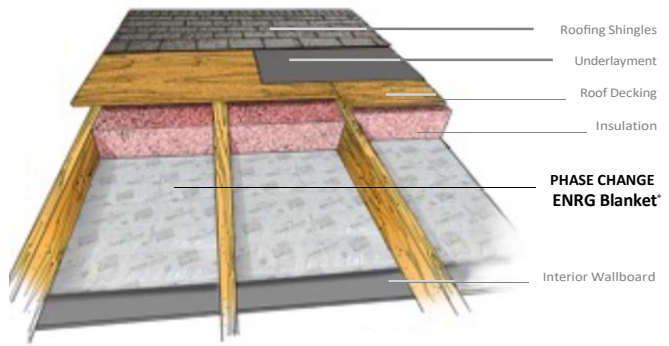
ENRG Blanket meets the following safety standards:

ASTM E84, UL 723, and CAN/ULC S102-10	Standard test method for Surface Burning Characteristics of Building Material
ASTM E800	Standard guide for measurement of gases present or generated during fires

INSTALLATION TYPES



Drop Down Ceiling Installation



Above Framed Ceilings / Roofs

Drop Down Ceiling (Ceiling Grids)

ENRG Blankets® may be installed over ceiling panels in new buildings or as a retrofit solution for existing buildings to lower HVAC demand. Blankets can also be installed in a single room or zones to mitigate “hot office syndrome.” Works well in high performing buildings with minimal disturbance to occupants.



Above Framed Ceilings

ENRG Blanket® may be installed in new buildings and during renovations of interior spaces. It can be placed under framed ceilings, before drywall application, to lower energy demands for improved occupant comfort. Install in accordance with the following.





Smart Materials For People and The Planet

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