

THERMALLY INSULATING PAINT

The nano-materials in our products have the highest strength-to-weight ratio of any known material, they are bound together by a sp² bond, even stronger than the sp³ bonds that hold together diamonds.

It makes our nano-materials 100x stronger than steel.

Due to its nanoscopic size, the surface area of our nano-materials is magnitudes larger than most conventional materials which allows our product to have exceptional insulation.



Thermally Insulating Paint

(provided as an additive to be mixed into any acrylic paint or as a ready-to-use paint)

- Keep buildings cooler/hotter in varied climates
- Reduce expensive cooling/heating bills
- Safe touch solution
- Chemical resistant
- Easy to apply – tough & durable
- All-in-one solution
- Fire resistance to 900°C/1650°F
- Low thickness required
- HAPS free, green product
- Low VOC (low environmental impact)
- Safe for multiple materials (ie, tents)
- Water Based / Acrylic Resin



Uses:

Ensure mobile/temporary homes/tents have the same insulation as regular homes.

"Able to make cardboard have the same thermal insulation as a home"

FAQs

Q: How much insulation is provided?

A: Insulation as low as 0.0012W/m K.
Wood is only 0.10w/m K / Brick is only 0.6w/m K.

Q: Certifications?

A: Testing conducted in accordance to ASTM C518

Q: Can it protect against fires?

A: Yes it can, it protects very well against fires hence it insulates against heat exceptionally.

EXAMPLE TO SHOWCASE EXTREME THERMAL RESISTANCE AGAINST FIRE:



Able to paint using conventional methods. Ie, brushes and rollers.
2-6 hours drying time needed.

Top cardboard is unprotected, bottom cardboard is protected. Tested against 1650°C/3000°F propane torch. Bottom protected cardboard resists fire and thus shows great resistance against heat. Bottom protected cardboard has no damage to the rear. Top unprotected cardboard is destroyed.

HOW IT WORKS: STANDARD PAINT



PIPEDREAM THERMALLY INSULATING PAINT

