



TECHNICAL BULLETIN

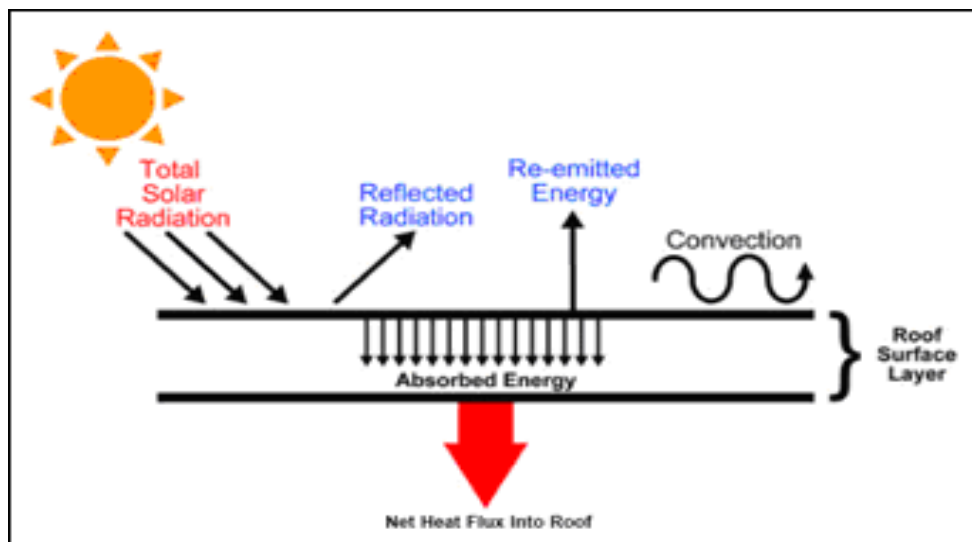
EPOX-Z NRG COATINGS

Cooler roof surface temperatures mean less heat is transferred to the building below. Less heat in the building means it's cooler and more comfortable in the summer since its indoor and ceiling temperatures are lower

Cool coating systems can also save cooling energy. Monitoring of more than 10 actual buildings in California and Florida with cool roofing have shown 20% to 70% reductions in cooling energy use. Cooling energy savings vary from building to building due to differences in roof insulation, building configuration, cooling loads, cooling system equipment, the local climate, and other variables. But your cooling needs are always decreased by using a cool coating on your roof

There are two properties of cool roof coatings which keep roof surfaces cool in the sun:

- High reflectivity to reflect away the sun's energy instead of absorbing it
- High emissivity to radiate away any energy they do absorb.



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Cool coatings have solar reflectivities of 60-75%, while conventional roofing materials have reflectivities of only 5-25%.

EPOX-Z NRG is a 100% solids solventless coating which overcomes the greatest single disadvantage of the other coatings used in the repairs of roof systems

The traditional coatings must allow the water or solvent to evaporate in order for the coating to dry. This drying process produces stress on the coating and can lead to curling or cracking at the edges or over seams

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EPOX-Z NRG's proprietary formulation produces a true chemical cure. This eliminates shrinkage and promotes superior adhesion over the roof surface while retaining the flexibility needed during the freeze/ thaw cycle

- surface tolerant and self priming features allow single-coat application
- less coating losses due to over spray
- no coating volume losses due to solvent or water evaporation
- no special VOC containment equipment required
- high-build characteristics reduce labor
- no special spray or heating equipment needed
- cost effective
- high reflectivity .80
- high emissivity .84