

Turning common surfaces into heat shields with Planet Supra

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New generation heat reflective coatings.

Planet Supra (matte finish) and Planet Supra Neo (glossy finish) are already leveraged by manufacturers to add heat reflective properties to existing product ranges, even to create new ones. This document illustrates how products can be protected from solar radiations and commercial value added with Planet Supra and Planet Supra Neo Thermal Barrier Paints. It also demonstrates what performance can be expected from these nanotechnology coatings.

Both paints are water-based, VOC-free, non-inflammable. Their application can be easily and safely included into industrial processes. Once a surface is coated, it instantly becomes a high performance heat shield, reflecting almost 95% of solar radiations. The paints are certified to offset carbon credits by Carbon Offset Japan (COJ), coated products can therefore freely advertise their direct contribution to fighting Global Warming and reducing carbon footprint.



Metal sheet for roofing: 30% cooler.

Coated metal sheet roofs instantly make the whole building energy efficient. Because Planet Supra paints are applied on the outer surface, they cool down the whole roof, reducing the Heat Island effect in cities, saving on air-conditioning.



Ceramic roof tile: 23°C cooler.

Whether entry level quality or high end, coated ceramic roof tiles will help reduce a house or hotel's heat load by up to 30%. It is fresher indoors, air-conditioning cost and carbon footprint are reduced.



Prefabricated buildings: fresher inside.

Mobile offices, guard booths and other prefabricated buildings once shielded can help save up to almost 40% on air-conditioning bills in tropical climates. They also improve working conditions.



Insulated trucks: fresher, more fuel-efficient.

Once the rooftop and eventually sides are painted, insulated truck cargo compartments are more than 5°C cooler inside. Air-

conditioned trucks save more than 20% on fuel and hours in cooling down time, every day.



1mm plastic fiber panels: 20°C cooler.

Even the cheapest, thinnest wall and roofing panels can become high performance heat shields. For example, coated 1mm thick plastic fiber panels are 20°C or 30% cooler than the original material, adding great commercial value.



Heat reflective tent roofs, fabric.

Planet Supra Neo is very flexible and recommended for coating tent material and fabric. Even when rolled, the paint will not crack. Being anti-mold and self-cleaning, coated tents stay cool and look better, longer.



Outdoors metal boxes: 16% cooler.

Electronic equipment outdoors, for example in telecommunications, needs to be protected from heat to maintain a high level of reliability, long lifespan and keep maintenance costs down. Such boxes can be coated at the factory or on site.



Great idea: heat reflective hats!

One of our painters on a hot day coated his hat with Planet Supra Neo as extra sun protection. Is this the next "cool" product?...