INSULATED COATINGS
RIALTO, CALIFORNIA
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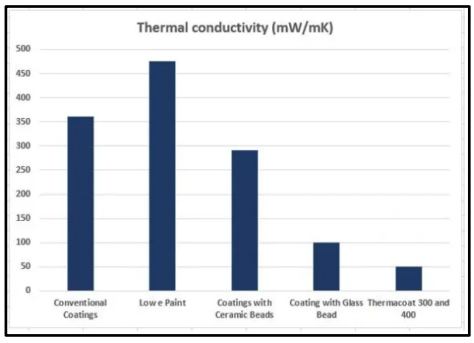
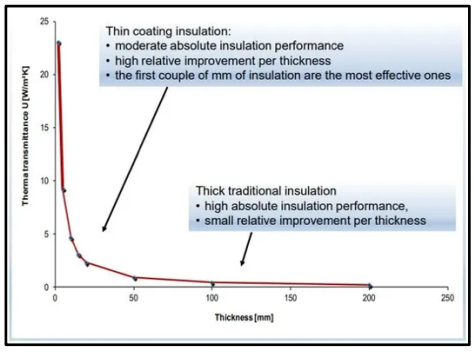
FLUID-APPLIED, THERMAL INSULATING COATING

THERMACOAT - 400

ThermaCoat – 400 is a Water-borne two part thermally insulated liquid applied coating.

1. Water base low VOC
2. Apply with brush, roller and paint spray.
3. Can be applied while the assets are in operation.
4. Corrosion resistant
5. Thermal Insulation
6. Sustainable





What is Insulation and Thermal Conductivity

Insulation is the action of separating a conductor from conducting bodies by means of nonconductors so as to prevent heat transfer. One way to measure thermal insulation is by its thermal conductivity. A material thermal conductivity is the number of watts conducted per meter of thickness of material, per degree of temperature difference between one side and the other (W/mK). As a rule of thumb, the lower the thermal conductivity the better, because material conducts less energy.

Surface Temperature drops 13% - 37%

Temperature Reduction (Temperature in Farenheit)										
No Coat	80	103.2	126.6	136.1	173.1	201.3	235.3	281.1	322.4	394.5
Coated (0.075")	69.1	80.4	91.2	103.4	130.6	145	167.6	203.3	230.8	287.9
% Reduction (0.075")	13.6%	22.1%	28.0%	24.0%	24.6%	28.0%	28.8%	27.7%	28.4%	27.0%
Coated (0.100")	67.2	73.1	83.8	95.5	120.2	139.3	147.6	196.6	204.7	257.3
% Reduction (0.100")	16.0%	29.2%	33.8%	29.8%	30.6%	30.8%	37.3%	30.1%	36.5%	34.8%
Diff. (0.075" - 0.100")	2.4%	7.1%	5.8%	5.8%	6.0%	2.8%	8.5%	2.4%	8.1%	7.8%

ThermaCoat product has an excellent thermal insulation properties over wide temperature range (80 - 400F) with its low conductivity (0.017 - 0.022 mW/mk)

Thermal Insulation works on both hot and cold application, its primary purpose is to prevent the transfer of heat (cold) from one side to the other. To measure how well the product performs, you should compare its Thermal Conductivity (K-value). For example, our Thermacoat-400 has a K value of 0.022 in comparison to other products with K value of higher than 0.035. You should select the product with lower value, which will allow less temperature (heat) transfer.

INSULATED COATINGS THERMACOAT-400

ThermaCoat – 400 Thermally Insulated protective coatings can be applied in multipke coats to achieve OSHA safe touch standard. Other advantages:

- Easier to apply than traditional insulation material
- No expensive downtime - apply while the assets are operating
- Sustainable and repairable; unlike traditional insulation, ThermaCoat -400 can be re-applied over and over
- No insulation material to discard into a landfill
- No need for a corrosion resistant layer on steel surface
- Environmentally Friendly water-borne system
- OSHA safe touch compliant