

## ENESEAL HR Receives International Acclaim. Independent Tests Confirm 28% Temperature Reduction on Metal Surfaces Exposed to Intense Solar Heat!

The internationally respected **STANDARDS INSTITUTION OF ISRAEL, Industry Division, Hydraulics & Energy Laboratory**, has completed a very thorough examination of our ENESEAL HR.

Obviously, minimizing heat load and saving energy are high on the list of priorities of companies in the Middle East. The intense desert sun can make metal and concrete structures unbearably hot. **ENESEAL HR can help to reduce this solar heat load by as much as 28% according to the tests conducted by the Energy Laboratory.**

These tests included sophisticated thermographic scans and photographs which clearly illustrate the incredible heat refractive properties of the ENESEAL HR coating system.

The **Panama Canal Commission** also conducted practical in-field evaluations of our ENESEAL HR to determine its

effectiveness in protecting pipe insulation in engine rooms from oil, water and steam impregnation. ENESEAL was found to be the best product -- and the most cost effective -- for these critical applications.

ENESEAL HR is truly in a class by itself when used as a heat refractive material as well as a protective system for all types of pipe and tank insulation.

The photos shown here (taken at a local Pennsylvania municipal water authority) illustrate just how simple and easy the ENESEAL HR system is to use. It can be applied by brush, roller or spray on virtually any type of surface...metal, concrete, asphalt/tar, slate, tile, wood, brick, glass, plastic, etc.

Clean-up is just as simple: soap and water is all that is needed.



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## A. Description of Examination

The examined elements:

1. Two concrete plates, sizes 600x300x500 mm, one of which was coated with a coating of Eneseal-HR on one side, including the edges. The other without any coating.
2. Two metal plates, size 360x390x4 mm, one of which with a thin coating on one side, including the edges, with the same material. The other without any coating.

The plates were placed in an angle of 45° towards the horizon in southern direction at midday for 3 hours.

A thermographic scanning was made by a thermovision instrument model 750 of AGEMA. Thermographic pictures are shown below. The temperatures in the center of the plates were measured by a temperature measure (FLUKE model 52)

## B. Results of Examination

The temperatures measured in the center of the plates:

Examination of:

Type of Plate \ Direction	Concrete without coating	Concrete with coating	Metal without coating	Metal with coating
Towards the Sun	40°C	32.8°C	45.6°C	32.8°C
Shaded side	39°C	32.8°C	44.4°C	32.3°C

Elements made of concrete and metal coated on one side, including the edges with a material: ENESEAL-HR.

### Character of Examination:

Thermographic examination

### Conclusion:

Results of examination are explained in paragraph B of this report.

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APPENDIX - REPORT 3233119

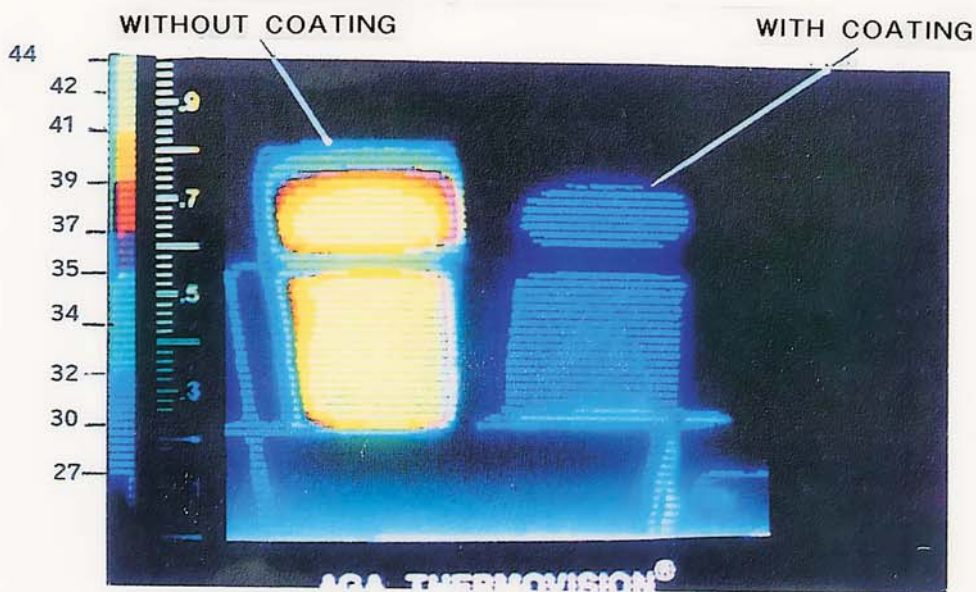


PHOTO #1 - CONCRETE



PHOTO #2 - METAL