Rovanco® Piping Systems

FLIR Technology – Precise & Absolute Validation Of The Insulation Process

Aluminum diffusion barrier is not needed with Rovanco polyisocyanurate foam.

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PERFORMANCE REVIEW INSTITUTE

Rovanco's injected foam process and stringent testing procedures assures each foam insulated piping system we construct is free of voids, allowing our foam to maintain it's industry leading k-factor of 0.121 BTU-in/hr-ft^2-°F.

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Our Foam has the Industry Leading K-Factor for a Reason

Aluminum diffusion barrier is not needed with Rovanco polyisocyanurate foam.

Coupled with our proprietary formulation is our foam insulating process and strict testing standards & practices.

Our Process for Foam Insulating Success

- Injected foam totally fills air space around carrier pipe(s).
- Every inch of foam tested for voids using Forward Looking Infrared Technology (FLIR).
- Insulating process is continually monitored by a Quality Control Technician.

Overview on FLIR Technology

- Thermal imaging technology uses temperatures to clearly define a given object, area or space.
- Provides an infrared image of a complete scene without a need for a moving sensor.

Why Rovanco Uses FLIR Technology

- Foam insulation expands producing heat allowing FLIR to monitor flow.
- Expanding foam appears as bright yellow/orange & empty voids as cooler blue/purple color.
- Technology allows Rovanco QC Technician to monitor process & assure total air space is filled.

Note: Picture above depicts pipe with open section to show no voids after foam insulation is injected.

1 Foam being injected – starts to expand from bottom of pipe.

2 Foam expands upward to fill entire air space of piping.

3 Foam expanded and air space totally filled with insulation.

4 Foam continuing to expand, black dots shown are spacers which are hollow to allow continuous insulation.

5 Two pipes on the left are awaiting the injecting of the foam.

6 Three pipes on right have expanding foam filling the air space.