

Water Condensation – The Invisible Enemy

*Thermography
Will Protect Your
Cold Store from
Breakdowns
and Losses.*

Water condensation is a serious issue that can lead to many undesirable consequences.

It is often caused by uncontrollable warm air leaks through envelope gaps.

What Are the Effects of Water Condensation?

- **Loss of product quality:** Moisture accelerates the spoiling of food and goods;
- **Higher humidity:** Promotes the growth of mold and microorganisms;
- **Increased energy consumption:** Cooling systems use more energy, which raises costs;
- **Corrosion:** Moisture causes rusting of metal components;
- **Water accumulation:** Water gathering on walls increases the risk of damage;
- **Ice formation:** Freezing blocks airflow and disrupts equipment operation;
- **Reduced efficiency:** Leaks lower cooling efficiency, and threaten temperature stability.



Michał Jetkowski

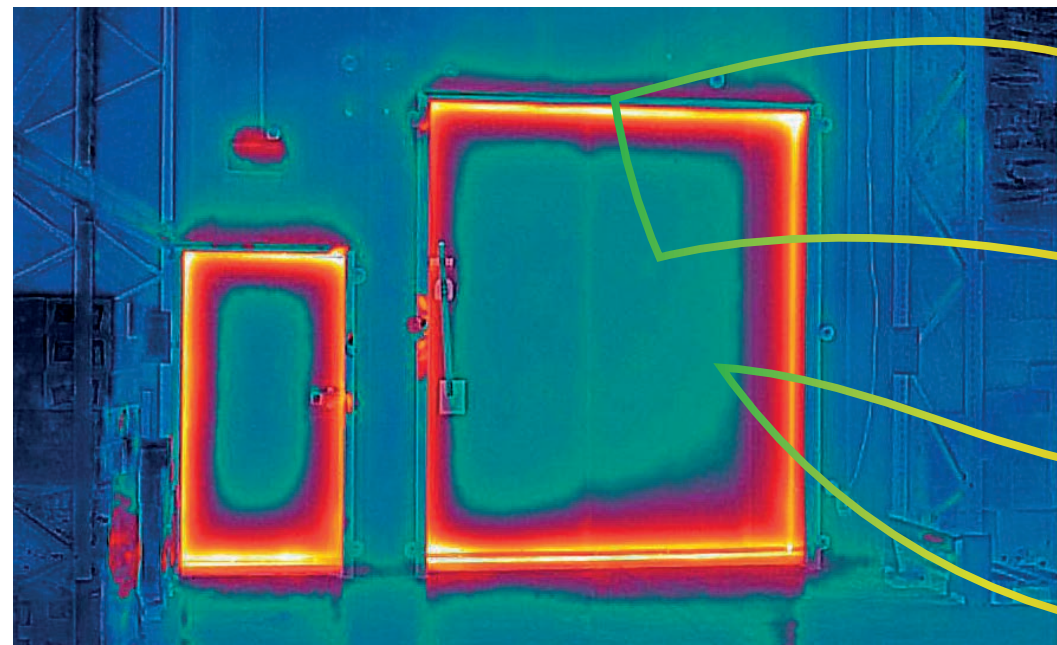
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*Contact us to ensure
the safety of your cold store.
Contact Information*



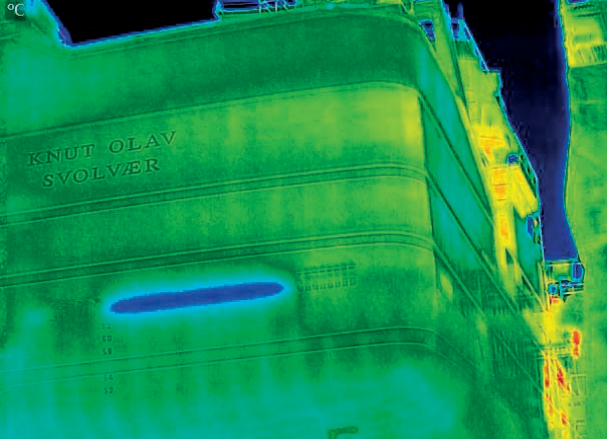
**Thermography
for Cold Stores**
*Guaranteed Safety
and Efficiency*



Protect your cold store from losses and breakdowns

Learn more about the benefits of thermal inspections!

www.termopomorze.pl



Thermography

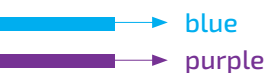
How Does It Work?

The image from a thermal camera displays the different temperatures of objects using colours.

Warm areas:

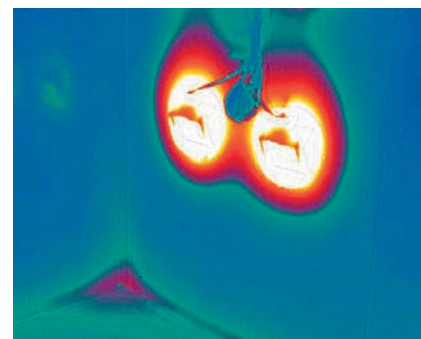
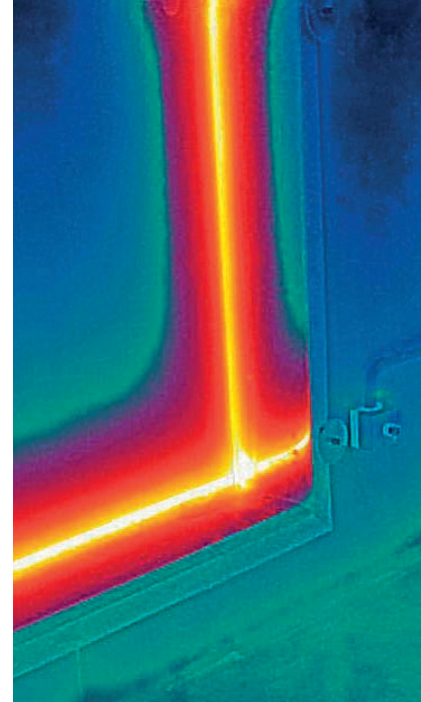


Cold areas:



Thermography detects thermal radiation emitted by every object in our environment. For this purpose special thermal imaging cameras are used.

Every object emits invisible thermal radiation, known as infrared radiation. Thermal imaging cameras capture it and convert it into an image visible on the screen.



Cold stores and deep freezers are used to store food and other goods in appropriate conditions. Maintaining the right temperature and humidity is the key to their proper functioning.

Thermal inspections are an excellent tool for cold stores diagnostics and optimizing their performance.

Applications of Thermography in Cold Stores

Why Is It Worthwhile?

Key advantages of thermal inspection include:

- **Quick diagnostics** of leaks, damages, and thermal insulation gaps;
- **Identification of thermal bridges**, areas with increased heat penetration;
- **Checking the effectiveness** of cooling systems;
- **Improvement of efficient** energy use and cost efficiency;
- **Detection of leakage points** in the envelope resulting in water condensation.