



CASE STUDY

MW Polymers works with Polyform™ on a leaking refrigerant pipeline for a Ice Rink in Nottingham saving thousands of pounds on replacing the system



Project Overview

Nottingham Ice Rink faced a significant challenge concerning a series of pipes within their refrigerant system. This issue arose due to the deterioration and corrosion of the pipes caused by condensation, a critical element in the refrigeration system. The result of this pipe corrosion is the emergence of undesired leaks throughout the pipe network. These leaks not only jeopardize the overall functionality of the system but also potentially compromise its safety and efficiency.

The presence of these leaks has necessitated immediate attention and a carefully planned solution. The arena is now tasked with addressing this problem effectively to uphold the operational integrity of their equipment and mitigate any potential disruptions or hazards.



MW Polymers Solution

After coating the pipes with Polyform, a durable and protective layer renowned for its ability to withstand corrosion and environmental stresses, the rink underwent a freezing process to restore optimal operational conditions. Once the refrigeration system was fully operational and stable, the ice surface was meticulously formed, ensuring the rink was promptly ready for immediate use. This thorough approach not only fortified the pipes against future corrosion but also swiftly restored the facility to full functionality, ensuring it could resume its activities without any delay.



Result

1. Corrosion Protection: The pipes coated with Polyform are protected against corrosion, extending their lifespan and reducing maintenance needs.
2. Environmental Resilience: Polyform's resilience against environmental stresses ensures that the pipes remain durable and reliable in varying conditions.
3. Operational Readiness: The freezing process and subsequent formation of the ice surface ensure that the rink is quickly restored to operational status.
4. Minimal Downtime: By swiftly completing the restoration process, the facility can resume its activities without significant delay, minimizing downtime and maximizing usability.
5. Long-term Functionality: The comprehensive approach not only addresses immediate operational needs but also provides long-term benefits by protecting against future corrosion and ensuring ongoing facility functionality.

