

INTERFLON RELIABILITY IMPROVEMENT ALERT

Effect of De-Icers on MicPol Coating

OFFICIAL
Endorsement

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Introduction

During winter operations, de-icers are frequently used to maintain the functionality of switches and components. However, their interaction with lubrication coatings must be understood to ensure continued performance.

Key Message

Most de-icers will **gradually remove the MicPol coating**, as they act similarly to degreasers.
KILFROST (Cat number 007/001249) does not affect the MicPol coating.

Why This Matters

Interflon MicPol technology relies on a **bonded dry film layer** to provide low friction and long-lasting protection.

De-icers:

- Break down and remove lubricants
- Act in a similar way to degreasers
- Can gradually strip away the MicPol coating

This reduces the effectiveness of the lubrication layer over time.

KILFROST is an exception and testing shows the product to:

- Not degrade the MicPol coating
- Maintain lubrication performance when used alongside Interflon products

Risks

Failure to account for de-icer impact may result in:

- Loss of lubrication layer
- Increased friction and resistance
- Accelerated wear of components
- Increased likelihood of failures

Uncontrolled use of de-icers can lead to repeated loss of lubrication and higher maintenance demand.

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Best Practice

- Be aware that **most de-icers will remove lubrication coatings over time**
- Where possible, use **KILFROST (Cat number 007/001249)** as a compatible solution
- Inspect components after de-icer use
- Reapply Interflon lubricant where coating degradation is evident
- Incorporate additional checks during winter maintenance cycles

Operational Impact

- Maintains lubrication performance during winter operations
- Reduces risk of lubrication loss
- Improves reliability of switches and components
- Supports more effective winter maintenance planning