

INTERFLON RELIABILITY IMPROVEMENT ALERT

Application of Interflon Lube EP and Lube TF in Winter Conditions

OFFICIAL
Endorsement

Author: Alan Wright
Role: Senior Technical Rail Engineer
Organisation: Interflon Rail



Introduction

Winter conditions often raise concerns about whether lubrication can be applied effectively at low temperatures and in freezing environments.

Key Message

Interflon Lube EP and Lube TF can be applied in extreme cold conditions, provided there is **no ice present on the surface at the point of application**.

Why This Matters

Interflon products are designed to operate in extreme environments and can be applied as low as **-43°C**. Once applied, the MicPol coating:

- Forms a protective dry film layer, which reduces friction in low temperatures
- Helps prevent ice from adhering to treated surfaces

It is important to note that it prevents ice adhesion, it does **not prevent the build-up of compacted snow**.

Risks

Applying lubricant onto iced surfaces may result in:

- Poor adhesion of the lubricant

Failure to lubricate in winter conditions may lead to:

- Increased friction
- Restricted movement
- Higher likelihood of component failure

Best Practice

- Ensure all surfaces are **free from ice** before application.
- Apply Lube EP or Lube TF as normal once the surface is clear.
- Continue lubrication during winter months in line with maintenance schedules.

Operational Impact

- Reliable switch operation in cold conditions
- Improved performance and asset protection during winter