

prelube2

POWER UP YOUR STEEL TO THE NEXT GENERATION

Sustainable forming with prelube2 oil



Additional treatments: Corrosion protection

prelube2 factsheet | 03/2021

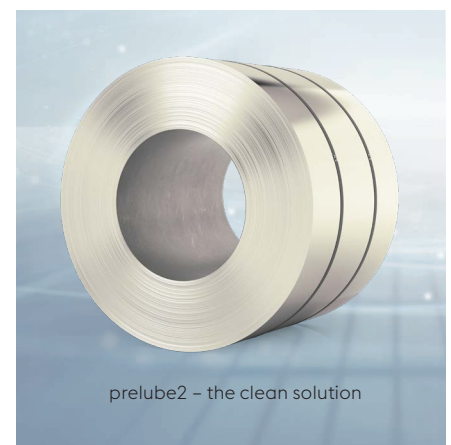
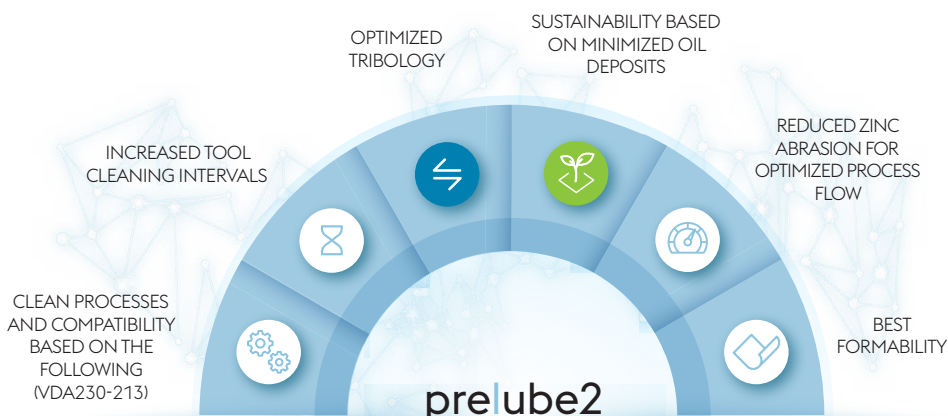
prelube2 – OPTIMIZED TRIBOLOGY AND EXCELLENT OIL DISTRIBUTION

Do you want a corrosion protection oil that can increase tool cleaning intervals, make your production run cleaner, features improved tribology and is compatible with your downstream processes? That's prelube2!

voestalpine provides the best support by using the next generation of prelubes: prelube2. With its optimized tribology, prelube2 makes it possible to work with less oil coating yet maintain the same level of formability, thus reducing oil leakage and oil redistribution on coated and uncoated steel strip during storage. prelube2 has the potential of reducing the friction coefficient and zinc abrasion during the forming process, thus increasing tool cleaning intervals. This means that more pressed parts can be produced in a single run.

Typical applications:

- » Automotive
- » Products with the most stringent forming demands

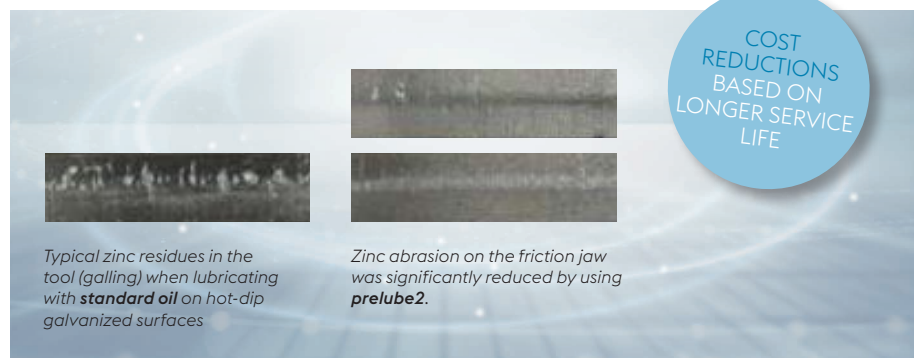


SUSTAINABILITY AND ENVIRONMENTAL PROTECTION

- » The use of prelube2 reduces the oil coating layer thickness and protects the environment.
- » The lower oil volume conserves resources and leads to clean processes with less chemical consumption in downstream processes.
- » prelube2 reduces friction during forming with the same oil layer thickness.

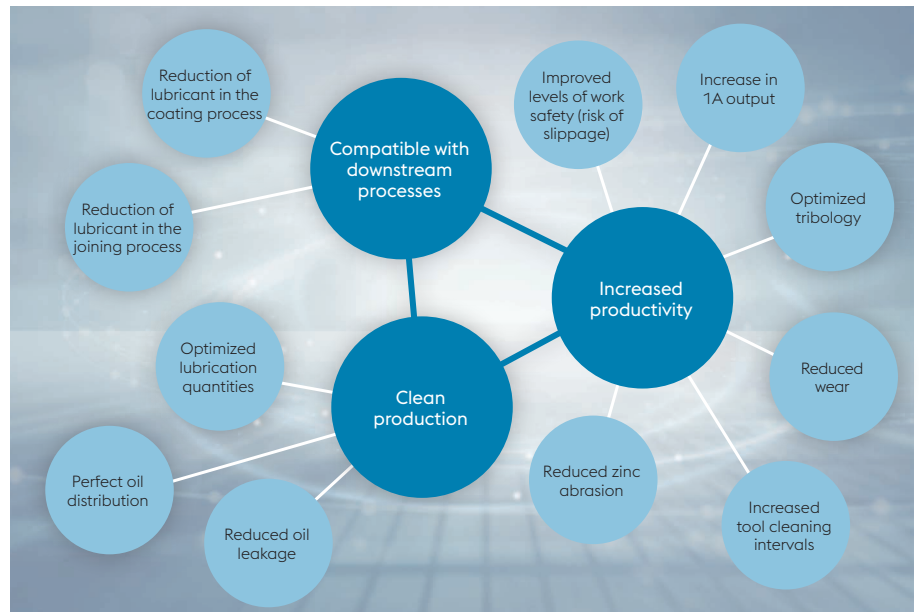
SIGNIFICANT ADVANTAGES COMPARED TO STANDARD OILS

prelube2 (approved pursuant to VDA 230-213) reduces zinc abrasion in the forming tool for formed parts. The following figures show the test results from the strip drawing test under the same conditions.



PROCESSING BENEFITS

The excellent tribological properties reduce the amount of lubrication required while providing the same level of friction reduction, thus enabling clean production processes (less oil leakage during storage and transport).



MULTIPLE CERTIFICATIONS

Certifications are naturally a minimum requirement at voestalpine in our effort to provide additional high-performance treatments such as prelube2.



The information and product properties contained in this printed material are non-binding and serve the exclusive purpose of technical orientation. They do not replace individual consultation provided by our sales and customer service teams. The information and product properties provided in this fast sheet shall not be deemed guaranteed characteristics unless this has been agreed upon individually. Technical changes are reserved. Errors and misprints are excepted. No part of this publication may be reprinted without explicit written permission by voestalpine Stahl GmbH.

To find out more about chromium-free passivation, please visit us www.voestalpine.com/steel



voestalpine Steel Division
 voestalpine-Straße 3
 4020 Linz, Austria
 productmanagement@voestalpine.com
 www.voestalpine.com/stahl/Marken/prelube2