



Henkel Adhesive Technologies

PIONEERING
PERFORMANCE

BONDERITE®

DISCOVER HENKEL'S
**SURFACE TREATMENT
EXPERIENCE CENTER**



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MADISON HEIGHTS, MICHIGAN, US



FULLY INTEGRATED, END-TO END SURFACE TREATMENT SYSTEMS – OPTIMIZED FOR PERFORMANCE, SUSTAINABILITY AND COMPATIBILITY WITH NEXT GENERATION VEHICLE MATERIALS.

CLEANING:

Removes oils, compounds, and contaminants while preparing the surface. Controlled chemistry improves safety, sustainability, and coating adhesion.

THIN FILM PRETREATMENT:

Henkel's BONDERITE TecTalis Thin Film process operates at ambient temperature and treats mixed metals while boosting adhesion with a durable nanolayer and minimal sludge.



PHOSPHATE PRETREATMENT:

Forms a uniform, stable surface ready for finish coatings. The BONDERITE Flex Process supports high aluminum content with reduced sludge and lower energy use.

ECOAT DEPOSITION:

Uses electrical attraction to apply a fully uniform, tightly bonded, corrosion-resistant coating across the entire part.

SURFACE TREATMENT EXPERIENCE CENTER

VALIDATE PERFORMANCE WITH CONFIDENCE UNDER
PRODUCTION-RELEVANT CONDITIONS



***REPLICATE PRODUCTION
CONDITIONS ACROSS AUTOMOTIVE
SURFACE TREATMENT PROCESSES
FROM CLEANING AND PRETREATMENT TO
COATING AND CURING.***

- Accommodates a wide range of part sizes, geometries and substrates.
- Flexible to evaluate individual steps or an entire pretreatment and coating sequence.
- Evaluate multiple scenarios in a single visit for faster decision-making – temperature, chemistry concentration, spray pressure and more.
- Benchmark solutions against current processes.



CLEANING CHEMISTRIES:

- Alkaline cleaners
- Solvent-free cleaners
- Chromium-free and low-impact cleaners
- Acid cleaners
- Surface conditioners & activators



CONVERSION COATING CHEMISTRIES:

- Zinc phosphate (nickel-free options)
- Iron phosphate
- Phosphate-free zirconium-based / thin-film technologies



POST-TREATMENT AND FINISHING CHEMISTRIES:

- Passivation and sealing treatments
- Rinses and final stage protectants
- Corrosion inhibitors

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The data contained herein is intended as reference only. Some products/package sizes may not be available in your country or region or may have a lead time. Please contact your local Henkel subsidiary for assistance and recommendation on specifications and applications of these products.



henkel-adhesives.com/emobility

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