



## HIGH PERFORMANCE VpCI® PACKAGING

# CASE HISTORY SPOTLIGHT

## Case History #626: Automotive Tool and Die Preservation

A mold and die manufacturer wanted to ensure that its expensive two-cavity automotive interior P20 mold would arrive rust-free at its client's facility overseas in Europe after five to six weeks in transport. If a liquid rust preventative were used, it would need to be in a form that could be sprayed efficiently over a large surface area.

The 40,000 pound (18,144 kg) plastic-injection mold was prepared for shipment by setting it on a piece of MilCorr® VpCI® Shrink Film cut to size. The mold cavity, core, and steel surfaces were lightly coated with EcoAir® Tool & Die Rust Preventative applied using EcoAir® air-powered spray can technology. A VpCI®-309 Pouch was placed in the mold cavity to emit Vapor phase Corrosion Inhibitors as an additional source of protection. After the mold core and cavity were reassembled and locked, the mold was shrink-wrapped in MilCorr® VpCI® Shrink Film.

The shipment was highly successful with no corrosion encountered. The client was pleased with the protection, package appearance, and ease of removal—especially considering that the EcoAir® Tool & Die Rust Preventative did not need to be cleaned off the mold—and requested the same protection plan going forward. Costs of protection were significantly reduced compared to using traditional greases and oils while also eliminating worker exposure to traditional propellants by the use of EcoAir® Tool & Die Rust Preventative.

Read the full case history here:

[https://www.corteccasehistories.com/?s2member\\_file\\_download=access-s2member-level1/ch626.pdf](https://www.corteccasehistories.com/?s2member_file_download=access-s2member-level1/ch626.pdf)



4119 White Bear Parkway, St. Paul MN 55110 USA  
Phone (651)429-1100, Toll free (800) 4-CORTEC  
Fax (651) 429-1122, Email: [info@cortecvci.com](mailto:info@cortecvci.com)  
[www.cortecvci.com](http://www.cortecvci.com)

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