

# **New Field-Applied Anti-Corrosion System for Pipelines with Moist Surfaces“**

**Dr. Thomas Löffler, Michael Schad**  
DENSO GmbH, Leverkusen, Germany  
e-mail: [loeffler@denso.de](mailto:loeffler@denso.de), [schad@denso.de](mailto:schad@denso.de)

## **ABSTRACT**

One of the biggest challenges for field applied coating systems are pipelines which show a condensate film on the surface. Such moist surfaces can be found on gas pipelines or coolant lines that are under load or when there is a high humidity in the environment (e.g. tropical climate etc.).

We will present a new corrosion prevention system, which is best suited for damp and wet surfaces and needs only little pre-surface treatment. It can be executed under nearly all conditions on site. A water displacing and repellent petrolatum system in combination with a concerted self-amalgamating 3-ply PE/Butyl-Tape provides an excellent, long lasting corrosion prevention with a superior mechanical protection. Because of the flexibility of the system, it can also perfectly be used for fittings, coated with a condensate film.

Furthermore, the costs of rehabilitation are reduced to a minimum, since shut downs, pressure reductions of pipelines or the use of complex techniques are no longer required.