

Sealer 300 W 2.0

Clear reactive inorganic sealer



General Metal Finishing

Corrosion resistant coatings

atotech.com

Lasting corrosion protection

New standard

With Sealer 300 W Atotech has set a new standard. Other than simply building a film over the passivate layer, this patent-protected technology reacts with the passivate to form a durable bond. This unique characteristic has proven best performance in outdoor corrosion conditions.

The second generation Sealer 300 W 2.0 has the same characteristics as the predecessor but now enables an almost residue-free application.



Patented technology

Based on the patent-protected technology of Sealer 300 W, Sealer 300 W 2.0 provides highest corrosion protection, even after assembling. During drying at temperatures above 80 °C, the sealer reacts with the underlying passivate to form a unique crack-free bond. The result is a continuously high long-term corrosion protection without aging. Excellent corrosion protection performance is not only achieved in neutral salt spray tests, but also in cyclic corrosion tests (e.g. GMW 14872) as well as in outdoor exposure test, where it outperforms conventional sealer technologies.

Meeting diverse requirements



Different versions with integrated lubricants are available to cover the whole range of friction requirements for the automotive fastener industry.

Feature and benefits

- Reactive sealer technology with outstanding adhesion
- Best performance in automotive outdoor testing
- Highest corrosion protection in cyclic corrosion tests
- Chemical resistance especially against brake fluids
- UV and heat resistant
- Reduced residue formation
- Approved and in use by major brake component Tier 1s

A class of its own

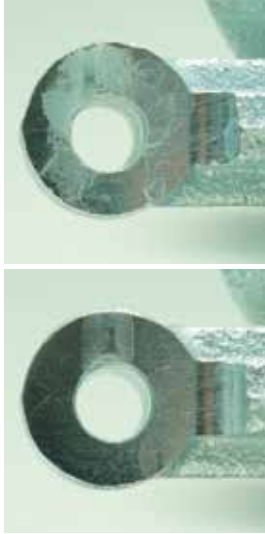


Figure 1:
Last drop visible in certain areas with conventional sealer
Figure 2:
Reduced last drop formation with Sealer 300 W 2.0

The improvement of the reference sealing system in the brake caliper industry







Sealer 300 W 2.0 offers outstanding corrosion protection of up to 1,500 hours against base material corrosion on zinc nickel. The new sealer surpasses its predecessor with reduced “last drop formation”, resulting in an improved appearance and less need for reworks.

Approved by worldwide brake caliper Tier 1s

For almost 20 years now, Sealer 300 W stands for high performance in the market. It is the approved standard process for all brake caliper manufacturers worldwide, amongst them Akebono, CBI, Continental, Hyundai-Mobis, Mando, Nissin, TRW and many more. Sealer 300 W 2.0 already replaced the first generation Sealer 300 W at some of the above mentioned companies.

Chemical resistance test

Sealer 300 W 2.0 is resistant against all kinds of substances.

	Zylite® HT Plus + EcoTri® NC + Sealer 300 W	Zylite® HT Plus + EcoTri® NC + Sealer 300 W 2.0
Make-up (100 ml/l)		
Make-up (150 ml/l)		
Make-up (200 ml/l)		

No swelling or discoloration of samples.

Test substance	A	B	C	D	E	F	Test substance	A	B	C	D	E	F
1. Brake fluid	✓	✓	✓	✓	✓	✓	5. Diesel fuel	✓	✓	✓	✓	✓	✓
2. Motor oil	✓	✓	✓	✓	✓	✓	6. Wheel cleaner	✓	✓	✓	✓	✓	✓
3. Hydraulic fluid	✓	✓	✓	✓	✓	✓	7. Engine coolant	✓	✓	✓	✓	✓	✓
4. E10 fuel	✓	✓	✓	✓	✓	✓							

All parts heat treated prior to testing at 150 °C / 2 h - after Volvo STD 121-0013

