Corrosion Protection
Permanent Protector

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Steel

Corrosion protection of mild steel

- ALGT Permanent Protector, cured at 80°C
- Excellent adhesion on mild steel
- Test: three to four weeks of outdoor weathering

coated with Permanent Protector uncoated

uncoated coated

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Corrosion Protection of Copper, Brass and Bronze

- Coating with ALGT Permanent Protector
- Outdoor weathering Test for about three years (!)
- Adhesion is still perfect as well as anti-tarnish effect

uncoated

coated with
CCM Nano-PP

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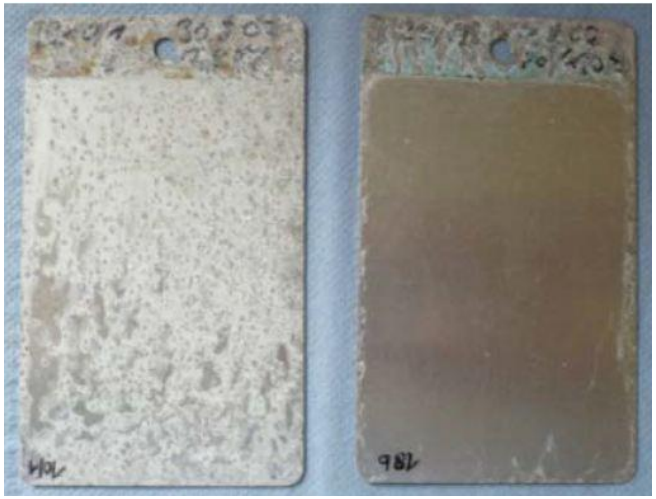
Aluminium, CASS test

Very good adhesion of ALGT Permanent Protector on different aluminium alloys, especially when cured at higher temperatures (> only 80 °C)

- CASS (copper accelerated salt spray) test (DIN 50021, 240 h) passed!
- Dry film thickness <10µm!



Reference coated with CCM Nano-PP

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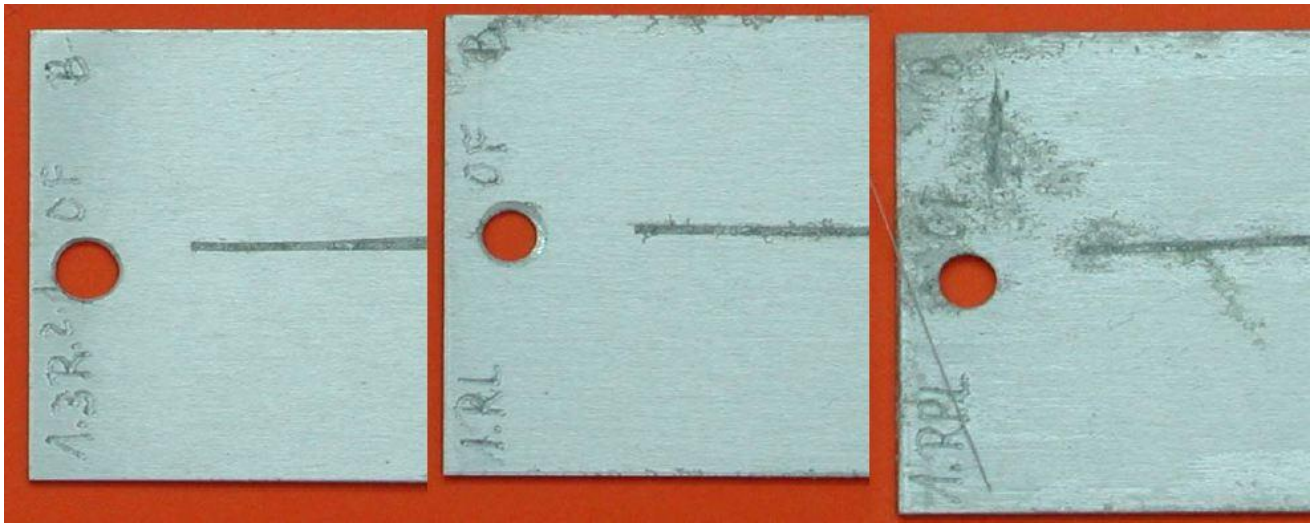
Aluminium, Filiform corrosion test

ALGT Permanent Protector coating compared to reference systems

- modified filiform corrosion test
  (24 h CASS plus 1000 h controlled temperature and humidity)
- no filiform corrosion observed with CCM Nano-Permanent Protector



coated with ALGT-PP
without conversion layer

Reference A
polyacrylate powder

Reference B
polyester powder

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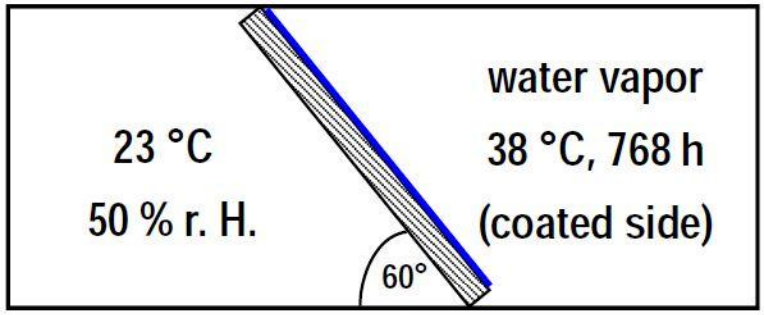
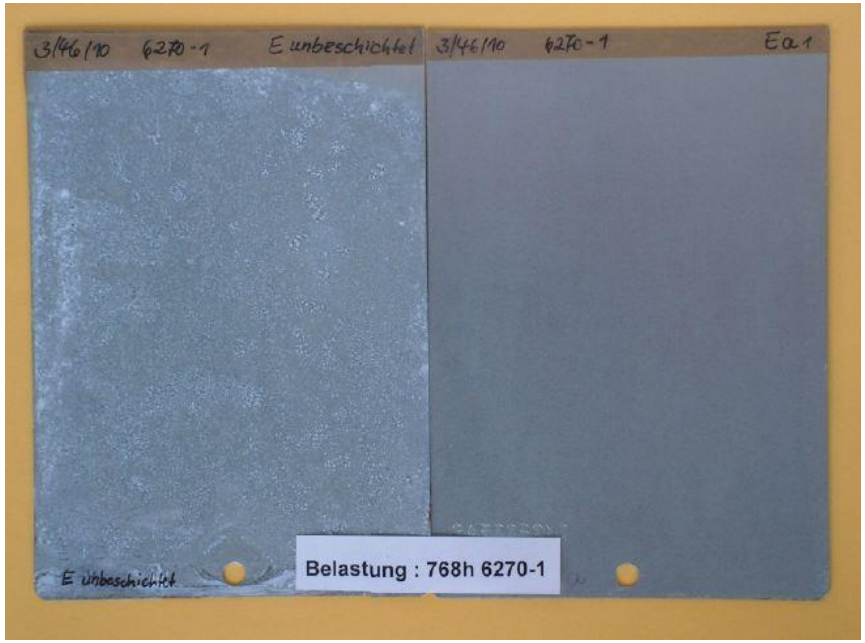
Hot-dip galvanized steel

Impact test with ALGT Permanent Protector according to DIN EN ISO 6270-CH passed after 768 h

- Corrosion grade of 0 to 1 in the highest corrosion class C 5 (!)
- Effective prevention of white rust





uncoated reference coated with CCM Nano-PP

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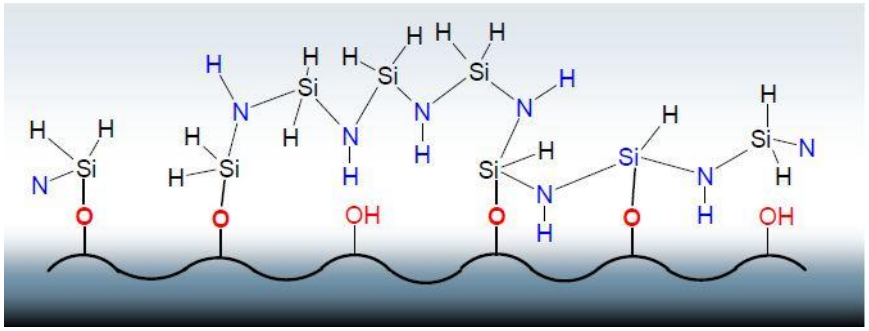
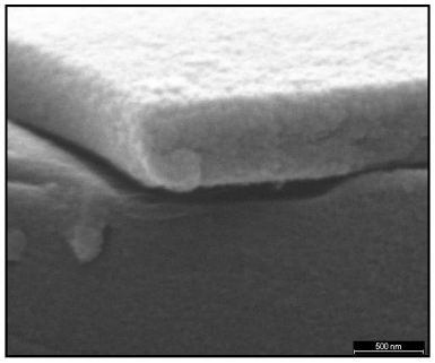
Summary

Reasons for the high performance of ALGT Permanent Protector in anti-corrosion systems:



- Excellent adhesion to the substrate surface
- Very stable coating
- Exceptionally dense coating layers -> barrier



ALGT PP substrate

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