

PROGUARD

CORROSION PROTECTION COATING

Cyberchem's **PROGUARD** corrosion coating has been formulated using PPG's latest waterborne Direct To Metal technology to the latest ISO 12944: 2018 norm standard and has excelled in reaching the highest standard of C5.

The standard considers two factors when protecting metal from corrosion:

- 1 Environmental Corrosivity**
The standard segments environments into different categories that are then evaluated on their ability to corrode unprotected steel.
- 2 Coating Durability**
The standard gives guidance on the expected lifetime of a coating system until its first major maintenance.

The categories range from C1 through to C5 (being the highest standard).

- 1 C5 - Exterior**
Is rated very high protection for Industrial areas with high humidity and aggressive atmosphere and coastal areas with high salinity.
- 2 C5 - Interior**
Is for buildings or areas with almost permanent condensation and with high pollution.



← BEFORE



AFTER ▶



Cyberchem's **PROGUARD** complies to the following standards:

- Certification ISO 9001
- Product testing and performance – ISO 12944
- Fire and smoke certification – EN45545
- Environmental and applicator aspects – Low VOC
- Corrosion performance evaluation – ISO 12944-6

Tests conducted to conform to ISO and ASTM standards:

- ISO 9227 – salt spray – 1700 hours (mild steel)
- ISO 4628-2 – F8 – Blistering
- ISO 4628-3 – R10 – Rusting
- ISO 4628-8 – <3mm Penetration
- ASTM D4541 – Adhesion pull off performance
- ISO 6270-1 [Humidity Exposure] 240 hours
- ISO 2409 [Water Immersion] 240 hours
- ISO 6272 [Direct Impact]
- ASTM 2690 (WOM) 2000 hours
- ASTM G154 [QUV] 1000 hours
- SAE J400 [stone chipping]

Manufactured by

CYBERCHEM
CHEMICAL MANUFACTURERS

responsible chemistry