

Cabinet & Casing Coating

- ✓ *Corrosion protection*
- ✓ *UV resistant*
- ✓ *For harsh environments (C1-C5M)*
- ✓ *Abrasion resistant*

Blygold HVAC Cabinet & Casing protection

Blygold casing coatings provide a long lasting corrosion protection for HVAC equipment. The coatings are developed to be the perfect add-on to the standard applied OEM coatings systems. The Blygold coating techniques and procedures create protection on all vulnerable surfaces like cutting edges, screws and bolts, tubing and construction parts. The protective coatings can be applied in the factory as well as on-site.

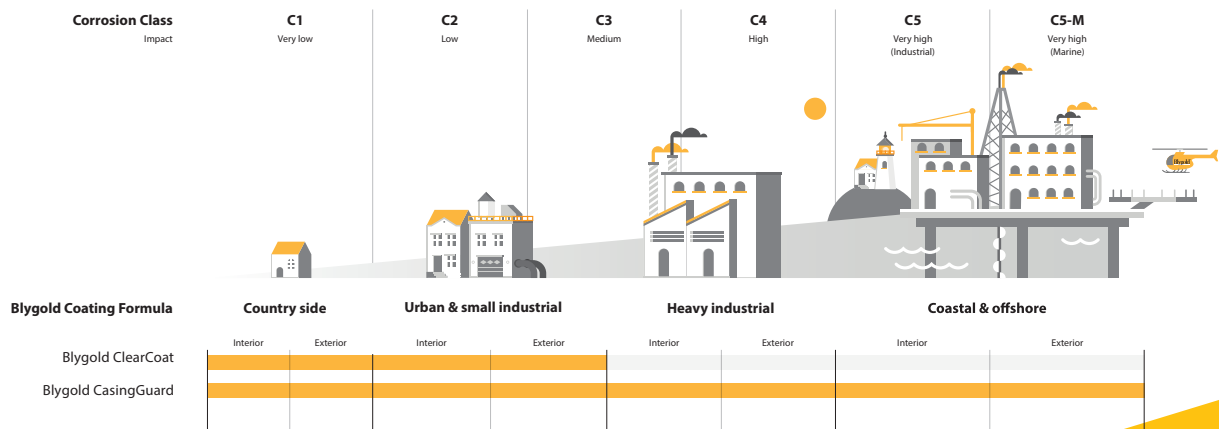
Blygold has been specializing in HVAC equipment coating for more than 40 years. Our applicators know how to handle this vulnerable equipment. Blygold maintains a quality standard that makes customers come back over and over again not only in coating application, but also in logistics and service.



Special coatings and unique applications: HVAC equipment protection calls for specialists

Blygold Casing Coating compliant with ISO 12944-6

To assist corrosion experts, engineers and consultant in selecting the best corrosion protection option for every specific situation, guidelines are set in ISO 12944-6. This international standard describes different corrosion classes, and sets the benchmark on corrosion protection of steel structures by protective paint systems. Blygold coating formulas are compliant with ISO 12944-6.



Designed for the job!

Ever since Blygold was founded in 1976, our core business focused specifically on corrosion protection of HVAC equipment and especially heat exchangers. This makes us unique, and it's the reason why still today Blygold is global market leader in this industry. Our own R&D department is constantly testing and improving our range of products and services. This mentality makes Blygold the benchmark application in our industry. Blygold products are always specifically designed for their purpose. Blygold PoluAl coatings are designed to offer maximum corrosion protection without affecting the efficiency of the heat exchanger. Blygold ClearCoat and Blygold CasingGuard offer optimal protection for cabinet and casings. Blygold CasingGuard system is to be used in severe corrosive conditions while the Blygold ClearCoat system provides good protection for moderate corrosive applications. Your local Blygold representative can help you in deciding which coating system is most suitable for your application.

BLYGOLD CASINGGUARD



Blygold developed the Casing Guard coating system for the most severe exposure conditions. HVAC equipment at oil platforms, coastal environments or wastewater plants are examples where the system has a long track record. All reasonable accessible surfaces are thoroughly pretreated, primed with Refamac 3509 and finished with Refamac 3800. The primer creates excellent adhesion to OEM coatings and bare metals, special metallic pigments provide the first corrosion protective barrier. The finishing coating "3800" is designed to create coverage even on vulnerable sharp edges. The thin layer technology creates a smooth and extremely protective finish with limited layer thickness.

BLYGOLD CLEARCOAT



Blygold Clearcoat is a transparent coating system that enhances the existing OEM coating properties. The coating adheres directly to several coating types without special primer or pre-treatment. The finished surface has a high gloss and has an extremely long resistance against UV exposure. The application of the Blygold Clearcoat will also bring back faded colours of HVAC equipment. The thin and smooth film has repellent properties that limit the adhesion of pollution. The coating is applied after thorough cleaning of all visible surfaces of the HVAC equipment. Because of the transparency of the coating, the unit will maintain the original OEM colour.

TECHNICAL INFORMATION	BLYGOLD CASINGGUARD	BLYGOLD CLEARCOAT
Color	Ral 7001 (or as specified)	Transparent
Pretreatment	Degreasing, sanding and primecoat Refamac 3509	Degreasing (Blygold CoilClean AP)
Substrates	Bare metals, plastics & OEM coatings	OEM coatings
Gloss retention ASTM G154 / ISO11507	5.000h >75%	30.000h >90%
Adhesion ASTM 3359 b	5B	5B
Saltspray test ASTM B117 / ISO 9227-NSS	>7.500h	>4.000h (OEM coating dependent)
Pull of test ISO 4624 / ASTM D4541	9,3 MPa / 9,1 MPa	ND
Class acc. standard ISO 12944 PART 6	C5-I	C3-C4 (as finish in system)
Layer thickness	4-6 mil (100-150 micron)	1-2 mil (25-50 micron)
Abrasion resistance ASTM D4060	-	150 mg / 4.000 turns
Flexibility ASTM D522	-	10 mm



BLYGOLD INTERNATIONAL

Blygold is an innovative and forward-thinking company offering unique and sustainable high-quality protection against corrosion. With over 40 years experience, we have the know-how and state-of-the-art products and techniques to solve any corrosion problem. Our multitude of success stories says it all.

Application protocols

To protect air-conditioning equipment from corrosion in aggressive conditions, the quality of the application process is just as important as the applied product. Blygold has developed specific application protocols for air-conditioning equipment of all different dimensions, geometries and materials.

Global network

To ensure our products are applied according to these protocols, Blygold works with trained and certified applicators only. Our global network of qualified Blygold applicators can offer local support in over 60 countries around the world.



Quality

- ✓ Over 40 years of experience
- ✓ Unique application techniques
- ✓ Unrivalled test results
- ✓ All trained & qualified applicators
- ✓ ISO 9001 Certified



Innovation

- ✓ Revolutionary R&D
- ✓ Inhouse laboratory
- ✓ Deep understanding of the market
- ✓ Global awareness of customer needs
- ✓ Problem solving mentality



Sustainability

- ✓ Lifetime extension
- ✓ Energy saving & Eco Friendly
- ✓ Life Cycle Cost reduction
- ✓ Maintenance friendly
- ✓ Corporate Social Responsibility

Blygold[®]
CORROSION PROTECTION

P.O. box 44 3990 DA Houten
The Netherlands
www.blygold.com

T. +31 30 634 43 44
E. info@blygold.com

Your local Blygold applicator