

ANODIZING - POWDER COATING - METAL SURFACE TREATMENTS

ANALKO



...details make the difference!!!

40<sup>th</sup> anniversary  
1976 - 2016









# ANALKO

---

**ANALKO began its course in the aluminum sector in 1974, having as main field of activity the anodizing of metal surfaces.** Stelios Kohylas, General Manager / Owner of the company, decided to introduce E/P (electrostatic paint) in the company's activities, a method which was hardly known until then. That proved to be a very wise decision.

**In 1992 the company is transferred to its owned facilities in Acharnes, Attica.** On these premises begins a long period of growth and the company's remarkable course of continuous investment in equipment and new technologies, as well as specialization of its human resources based on the most stringent European operating and certified quality standards. **It is one of the first companies in Greece that introduced the method of sublimation (imitation wood)** - a continuously evolving method to this day - creating its own unique shades.

**In 2004 an important step is made to highlight ANALKO's strategy for growth and extroversion, as envisioned by the company; the establishment of ANALKO ALUMINIUM in Bucharest, Romania.** The new, privately-owned E/P Unit of a total surface area of 15,000 m<sup>2</sup> used the expertise, experience and support from the parent company and soon became the most important company in paint and metal protection, taking on the majority of the greatest projects in Romania over the last decade.

**The growth of the company continues in 2010-11 with the construction of a new, state-of the-art E/P and Anodizing Unit in a new building of a total surface of 9,000 m<sup>2</sup>, in Attica,** which meets the stringent requirements in paint methods and protection of metal surfaces. The staff of the company combined with the modern machinery of the most reputable companies in Europe and raw materials from leading companies of the world market, enabled ANALKO to reach and exceed 80 tons of fully controlled produce per day, in both Units in Athens and Bucharest.

**The investment trend continues in 2013, when ANALKO ALUMINIUM starts a steel structure and sheet formation section in Bucharest,** covering a large part of the Romanian and European market, **while in 2014 completes a new automatic line of aluminum and iron E/P,** which strengthens the protection and painting of industrial goods and accessories that demand high protection and coating requirements.

**...details make the difference!!!**





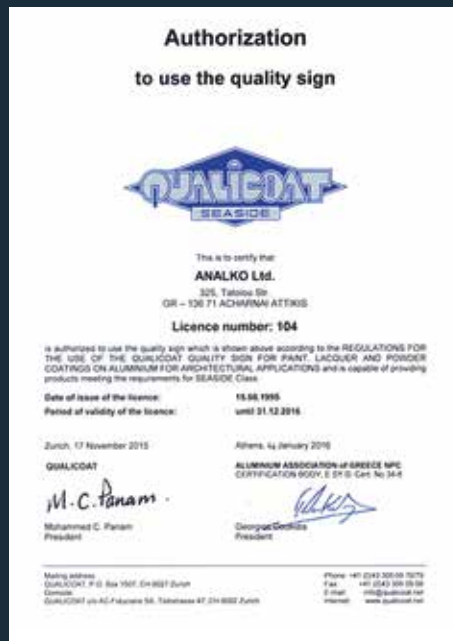
ANALKO

40<sup>th</sup> anniversary  
1976 - 2016



# Certificates

As a state-of-the-art production unit, it has all the quality certificates of the international firm QUALITAL while implementing the comprehensive quality management system ELOT EN ISO 9001: 2008, which applies to the company's activities from the collection of raw materials to the disposal of products on the market. It is certified for both treatments QUALANOD - QUALICOAT, as well as QUALIDECO.





**ACM** 

**Certificate of Registration**  
ΠΙΣΤΟΠΟΙΗΤΙΚΟ

This is to certify that the Quality Management System of:  
Το παρόν Πιστοποιητικό έγκρισης αφορά στην ποιότητα του Συστήματος της Πρωτοβάθμιας και δευτεροβάθμιας βαθμίδας της Ανοξείδωτης και Ανθεκτικής στην Αλάτι Ανοξείδωτης, της εταιρείας:

**ANALKO LTD** - **ΑΝΑΛΚΟ ΕΠΕ**  
315, Talsutu Avenue - Αχαΐας, Greece Τηλεφώνο: 225 Τ.Α. 12673 Αγιαστί, Ελλάδα

Has been independently assessed and is compliant with the requirements of:  
Αξιολογήθηκε ανεξάρτητα και συμμορφώνεται με τις απαιτήσεις του Πρωτοκόπου:

**ISO 9001:2008**

For the following scope of activities - Για το ακόλουθο πεδίο δραστηριότητας:

**Electrostatic Painting and Anodizing of Aluminium**  
Ηλεκτροστατική βαφή και Ανόδιση Προϊόντων Αλουμινίου

Certificate Number - Αρ. Πιστοποιητικού: 21 24284  
Date of initial registration - Ημερομηνία έγκρισης Πρωτοκόπου: 11<sup>th</sup> March 2011  
Date of the certificate / Ημερομηνία έγκρισης Πρωτοκόπου: 18<sup>th</sup> March 2014  
Certificate expiry - subject to the company maintaining its system to the required standard(s): Ημερομηνία λήξης Πρωτοκόπου - αν η εταιρεία διατηρήσει το Σύστημα της σύμφωνα με τις απαιτήσεις του Πρωτοκόπου: 0<sup>th</sup> March 2015

Authorized Signatory:   
Υπογραφή: 

This certificate is the property of ACM Limited and shall be returned immediately on request.  
ACM Limited, The Business Centre, Edward Street, Baddock, BNN 6NS, UK - Tel: 01212 254 715 info@acmcert.com

**AkzoNobel** 17 CRE0702

**Interpon D Approved Applicator**  
**Interpon D2525\***  
**Analko EPE**  
Greece

Full AkzoNobel's requirements regarding the pre-treatment, the application, the quality management standards, the procedures and complies with the requirements of the Architectural Range Approved Applicator schedule.

This certificate comes into effect from 20th June 2012 to 24th June 2013

  
Maria Vlas  
Architectural Marketing Manager, eS/EMEA  
25/06/2012  
Date  


\* Another color range from the same Series

**IDE** ENVIRONMENTAL TEST RECORD Page: 04

2, N. KIKIRI LEVY TEST LAB  
Environmental Test Lab

Doc. No. ERL7002016/04

TEST SCOPE: Chroming process verification of the IDE supplier, ANALKO

Environmental Test	Test Specifications	Test Duration
SALT SPRAY (pass Operating)	ISO 9227-2:2007 (1) part 6 ASTM B117	From 21 to 28 September 2015

PROJECT: SEIGAL SUPPLIER NAME: ANALKO

TEST SPECIMENS: 1 Aluminium panels AL 9001 28 per AMS QQ-A-20011 after chemical conversion coating per MIL-OTS-2047, Type 1, Class 3.

NUMBER OF SPECIMENS: FIVE (5) SPECIMENS SIZE: 1, 2, 3, 4 and 5

TEST CONDITIONS: Specimens "significant surface" activation: 6-in-3 degrees from the vertical.  
Solutions of the collected test solution at a temperature of +20 °C ± 0.5 °C.  
Test Duration: 96 hrs.  
For more details about the test conditions, refer to IDE document (Salt Spray Test Log Book) with Ref. No.: ETL001045.

FAILURE CRITERION: According to the MIL-OTS-2047 paragraph 3.8.1:  
• no more than 3 isolated spots or pits, none larger than 0.01 inch in diameter, per test specimens and  
• no more than 15 isolated spots or pits, none larger than 0.01 inch in diameter, on the combined surface area of all the test specimens, should be observed.

OBSERVATIONS: No isolated spots or pits were observed on the specimens

TEST RESULTS: The test specimens Passed the Salt Spray Test

PERFORMED BY	DATE	DATE
M. Panagoulas Environmental Test Lab IDE ARCHITECTURAL RANGE (2012/06/20)		20/06/2015
Mr. Alexander G. B. Vlachopoulos Test Lab IDE ARCHITECTURAL RANGE (2012/06/20)		20/06/2015

## Quality

---

**ANALKO's quality policy is expressed by the full commitment of the Administration to the utmost satisfaction of its customers' needs for the services provided to them.**

**ANALKO implements comprehensive control systems on its applied methods since its foundation year, which are constantly upgraded. It features a fully equipped chemical laboratory for quality checks and analysis of the products so that they all meet the quality standards set by the Greek Aluminium Union.**

## The Company's Policy

---

**For years now in ANALKO, every investment is designed with the primary aim of ensuring three parameters:**

- **The person!** Employee, associate, consumer.
- **The environment!** Thus, displaying particular sensitivity to environmental issues.
- **The quality of its products and services!** Goods which the consumer has paid for and is, naturally, entitled to.

**The secret of the company's success is the common belief of its staff in mutual respect.**









# Facilities

## Greece

Region:

Acharnes / Attica

Plant:

9.000 m<sup>2</sup>

### Equipment:

- **Two Polymerization Ovens:** One side displacement oven and one Box type with total coating capability of profiles up to 8m long. The production capability of both ovens exceeds 60 tons per day.
- **Five automatic painting cabins**, two of which are for quick cleansing.
- **Eleven pre-treatment chemical baths**, which give the profile surfaces optimal clarity and color substrate that is required for a perfect layer coating adhesion.
- **Sophisticated Aluminum Anodization Unit** of paintability up to 7.5m length, with twenty processing baths.
- **A decorating line of the profile surface in wood imitation.**
- **A painting unit for curved frames**, with painting capability of boards up to 2 x 3m.
- **Packaging and protective film adhesion line.**
- **Staple line for insulating profiles.**
- **A quality control laboratory** equipped with state-of-the-art monitoring equipment that applies the quality parameters for all the paint types.
- **A biological waste-water treatment plant;** one of the most modern and efficient ones in Europe.

## Romania

Region:

Bucharest / Giurgiului

Plant:

15.000 m<sup>2</sup>

### Equipment:

- **Two polymerization ovens, BOX type**, with total coating capability of profiles up to 8m long and total production capability of 30 tons per day.
- **Three automatic painting cabins**, two of which with capability of rapid change.
- **Packaging and protective film adhesion line.**
- **Staple line for insulating profiles.**
- **Eleven chemical treatment baths.**
- **Super-automated unit of imitation wood.**
- **A fully equipped quality control laboratory.**
- **cleaning and nanoceramic technology.**
- **Dryer.**
- **Two fast change powder coating booths.**
- **Two wet coating booths.**
- **Tunnel type polymerization furnace.**
- **Waste-treatment plant.**

### Steel construction unit and sheet metal forming

- **Features design - applications department** and equipment for forming sheet metal and aluminium sheets.
- **CNC with digital programming.**
- **Four folding machines up to 8m.**
- **Two press brakes.**
- **Three presses up to 100 tons.**

**New fully automatic powder coating line of multiple metals, with coating capabilities for metal parts and profiles of up to 6m in length, chemical processing, spray**









# Powder Coating

---

**With 10 state-of-the-art production lines of powder coating in both E/P units in Greece and Romania, ANALKO is capable of responding to every requirement that is related to metal surface coating.**

Powder coating is a process based on coating aluminium surfaces with polyester resins, after they have been chemically processed with an appropriate substrate. This ensures the highest protection and endurance of the aluminium surface against corrosion and mechanical strain.

**All lines of ANALKO are certified by the internationally recognized QUALICOAT and also have an extra SEASIDE certification.**

We have a huge range of colors and can cope with the complex contemporary requirements. The pallet supports all kinds of RAL, glossy & matt, especially rough and metallic, as well as the new ultra-resistant powders according to the standards of Class 2 & 3.

We work with major powder manufacturers (AKZO NOBEL, INVER, NEOKEM) making use of the ecologic TGIC FREE powders while caring for the consumer and the environment.

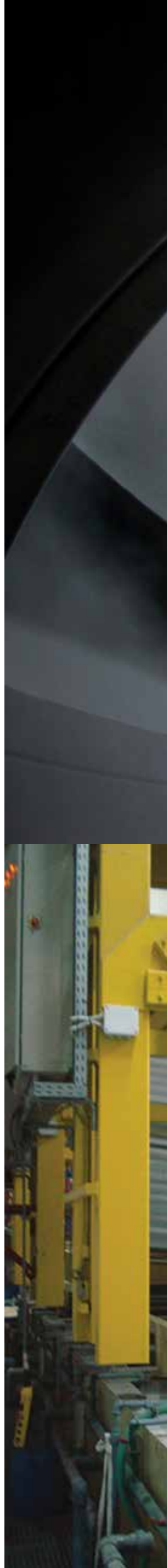
- **Pre-anodizing: For the more pollution-ridden areas such as the coastal ones (high humidity, saline).**

This is about creating an unsealed upward substrate for electrostatic powder paint. It is automatically categorized as seaside and is considered superior to other substrates, hexavalent chromium & chrome free.

ANALKO guarantees its application in less than 16 hours, having 2 units available within the same facility.

- **Excellent protection against aluminium corrosion, provided that all applicable production standards, application and use are met.**

- **Powder coating allows for infinite choice of colour.**







The most important  
aluminum construction companies trust  
ANALKO's QUALITY



# Anodizing

---

**A new state-of-the-art automatic production unit**, which meets all standards to produce high quality products, with a profile paintability length up to 7.5m. The surfaces to be painted are subjected to different mechanical treatments (Brushing, Mechanical Polishing) according to the customer's requirements.

- **The power of 30000 Amps renders our unit flexible and highly productive, with all quality parameters checked throughout all stages of production.**

- **Anodizing rinsing process.**

This is an electrochemical process in which the aluminum surface is transformed and creates artificial oxidation which protects against corrosion, with a total of twenty bathrooms.

- **We can produce various shades such as: Natural, Champagne, Light Bronze, Dark Bronze, Black, Inox, Gold, etc.** Also, in many cases it is possible to follow the customer's sample.

- **The thickness of the paint is specified by the customer depending on the use of the products and reaches up to 25mm (microns).**

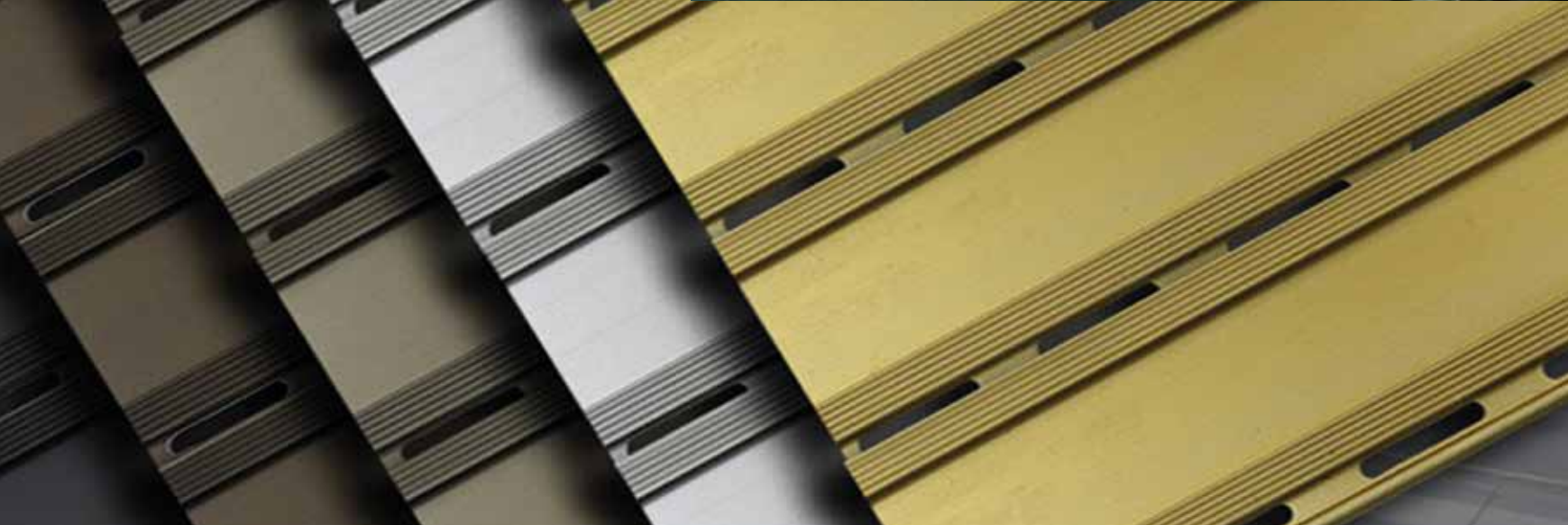
- **The quality of our anodizing is certified with Qualanod.**







Anodizing for us means  
**QUALITY & DURABILITY**



## Sublimation

---

Sublimation (imitation wood) has now entered our lives for good. **Choose from our own selection of wood tones, of unique quality and design with WOODinAL system, technology exclusively used by ANALKO.**

**WOODinAL technology provides quality paint of indelible wood color in all aluminum profile types and in all types of frames.**

**WOODinAL paint offers any type and tone of wood and the capability of accurate imitation on the aluminum surface of marble and granite shades that last forever. The result is highly durable colors.**

The range of colors is continuously enriched, opening up new dimensions in architectural aluminum applications.

**WOODinAL**<sup>®</sup>  
QUALITY PAINT WOOD SHADES IN ALUMINIUM SURFACES

ANALKO's new color palette is available to any professional







Unique wood shades in  
DURABILITY & BEAUTY





# Metal Shaping & Processing

Our company is able to perform a wide range of aluminum sheet, galvanized metal sheet and stainless steel processing, based on the studies and blueprints of our clients with precision and accuracy to the specifications. Our technical department can also offer support, design and propose solutions based on your needs.

The range of processing is very wide (cutting, piercing, bending) and the applications of the resulting products are addressed to all areas of the Construction business and the Industrial production.

Internal and external building paddings, fittings, window sills, radiator masks, extinguishers, circuit boards, signs, metal burners paddings, metal boxes of electronic and electrical appliances, special industrial products are some of the products that the company is already constructing.

The produced goods can be dyed in all RAL colors (264 shades) and all color formulas (glossy, semi-gloss, matte, textured, etc.).

**ANALKO uses equipment of the latest technology to ensure high quality and the accuracy of the final product.**

Type of machine	Working Length	max. Sheet Thickness
Guillotine shear	4000	max. 8.0mm Zn. / Al.
Press brake	4000	max. 3,0mm Zn. max. 6,0mm Al.
Folding machine	6000	max. 1,5mm Zn. max. 2,0mm Al. max. cut 1,25mm Zn. / Al.
Folding machine	7500	max. 3,0mm max. 4,0mm Al. max. cut 1,25mm Zn. / Al.
Press brake	1250	max. 2,0mm Zn.
Press brake	2500	max. 2,0mm Zn.
Laser with high-tech high-powered generators	4000 X 2000	max. cut common Steel 25mm special Steel 25mm stainless Steel 25mm Aluminium 25mm
Punching	1500 X 3000	max. 6,0mm Zn.
Press brake	6000	max. 2,0mm max. 3,0mm Al.
Press brake	6000	max. 6,0mm Zn.
Shear	6000	max. 2,0mm Zn. max. 3,0mm Al.







...details make the difference!!!





---

ANODIZING - POWDER COATING - METAL SURFACE TREATMENTS

---

# ANALKO

40<sup>th</sup> anniversary  
1976 - 2016



...details make the difference!!!



---

GREECE: 65 Tatoiou str. Acharnes 13671, Athens Tel: +30 210.62.01.105, +30 210.62.00.250, Fax: +30 210.80.79.526  
e-mail: [info@analko.gr](mailto:info@analko.gr) [www.analko.gr](http://www.analko.gr)

ROMANIA: Com. Jilava Prel. Soselei Giurgiului 33A Judetul Ilfov, Tel: +40 (21) 49.30.503, Fax: +40 (21) 49.30.502  
e-mail: [office@analkoaluminium.ro](mailto:office@analkoaluminium.ro) [www.analkoaluminium.ro](http://www.analkoaluminium.ro)