

EUROFINISH 2017 emphasizes the added value of teamwork!



Dear press delegate,

On May 10 and 11, 2017 the Brabantal at the city of Louvain (Belgium) will be the venue for a trade show that is entirely devoted to surface treatment engineering. The 12th edition of this trade show will be much more than an assembly of technologies. It will be a gathering of congenial entrepreneurs and a juncture for networking, a source of inspiration for the future and a nursery of new ideas.

We have deliberately broken down this press kit into discrete paragraphs containing various information you can use for a EUROFINISH article, which we would very much appreciate seeing in a next issue of your magazine and/or digital news distribution.

1. The importance of surface treatment

What if?

What if surface treatment did not exist?

We'd have to get used again to rusty cars that fall apart after five years, unless the manufacturers would revert to steel plates twice as thick, like the American cars of the 1950's. Many of these cars can still be admired in Cuba, ... but you'd have to imagine them without the frivolous colours, since painting also belongs to the realm of surface treatment. Not only cars; all the appliances we use today would be in the colour of the basic material they are made of, i.e. mostly grey, white or black. Pretty dull isn't it? Rust patches on the metal surface would in fact be the only decorative element to distinguish one from the other.

Letting our mind wander over a world without surface treatment we might also see ourselves ending up in a hospital with a broken leg (because we noticed the grey car too late?) and walk out five days later with an exotic disease picked up from a colony of bacteria living on the hospital walls and appliances by lack of an efficient anti-bacterial coating.

But not to worry, we could still use our mobile phone and call a doctor. He might suggest you should take a flight to some sunny resort to recover from illness. But wait! Would GSM's exist in a world without surface treatment? For one thing, they would be a lot bigger since Moore's law would never have become a reality without the existence of sophisticated surface technology in chip manufacturing.

Could you imagine stress-resistant jet turbine blades manufactured without surface treatment? And what if shot peening would not exist to increase fatigue strength and relieve tensile stresses of the flap supports in modern aircrafts? You certainly wouldn't think of boarding such a plane.

To make a long story short, surface finishing is everywhere. Without surface finishing, many of your metal conveniences would no longer exist. Virtually every metal object has been finished to improve its appearance or shelf life.

Imagine a world with no metal objects!

How would your life change if there were no cars, airplanes, silverware, TVs, cell phones or music players?

2. EUROFINISH picks a fight with the INTERNET

Never will you learn more in two days about surface treatment than on this trade show!

Despite the fact that all information can be accessed online, trade shows remain the best way to discover new products. Visitors obtain a first hand impression about innovations and their primary questions are answered on the spot.

A trade show is a unique experience. It satisfies visitors' interests and opens their mind for immediate personal contact. This enhances the quality of every qualified lead beyond that of a telephone call, emails, instant messaging or the use of social media.

EUROFINISH acts as a meeting place and knowledge transfer platform. Besides innovations this trade show also focuses on complete concepts. Another trump card (no pun intended!) of EUROFINISH is certainly its ability to arouse all our senses. Standing out and drawing visitors' attention in a positive way is now more than ever a challenge.

The exhibit lounge: best of two worlds

When being asked for the motive to visit or participate, many of the respondents – visitors and exhibitors alike – would provide a variety of answers with “human contact” and “networking” as a common denominator. This 12th edition of EUROFINISH has, for that purpose, been established according to a new revolutionary concept.

The stands are laid out on the exhibition floor in a honeycomb pattern to guarantee a maximum of cohesion between exhibitors and visitors. Along with the overall lounge environment throughout the entire exhibition, this layout will inspire interaction between exhibitors and visitors and facilitate networking.

Knowledge transfer as a cross fertilizer for innovation

Surface treatment is a complex technology that lives in a competitive market where quality, product development and service are ubiquitous. It takes continuous innovation to enhance the added value of products. A trade show is the ideal medium to acquire knowledge and to show how each contender contributes to establishing sustainable solutions.

EUROFINISH shows the newest about coating technology. Market drivers are new materials, sustainable coatings and production techniques, all together in a global market where technology and economy goes hand in hand.

New business impulses

Every trade show bustles with personal contacts. It is exactly this personal approach that creates opportunities to tell visitors and prospects what your company can offer and how you can make the difference. EUROFINISH will clearly show how each contender in the business of surface treatment contributes to the fabrication of market-conform products at a continuously increasing pace. It is a unique opportunity for exchanging knowhow and experience with forward-looking entrepreneurs.

3. Market situation

In today's world surface treatment is a widespread field of applications that is being challenged by increasing demands. Think of the complexity of new architectural designs, constructions, garden and street furniture, smart electronics applications, the automotive, farming and construction equipment, tools we are using on a daily basis, automatizing etc. Coatings add a new dimension to sustainability and complement basic materials with technical and esthetical properties. It is therefore important that clients, architects, builders, system suppliers, as well as the constructor and the coater have all their noses in the same direction and their mind focused on one thing: coatings to be proud of. Now and tomorrow, each time again.

“Our companies are faced with an environment that demands the decline of production losses during the coating process, thinner coatings with more functionality, smart and sustainable materials, reuse of prime materials etc. This is why EUROFINISH encourages co-engineering with clients and purchasers from concept till end of life of the product, including s/w and logistics” says Veerle Fincken, Program Manager of the VOM.

Importance of sustainability

The importance of sustainability is growing, although many companies are not yet ready for it. They need to reflect on the possibility of creating added value by organising their processes in a more efficient way. Being open to innovation indeed requires a specific frame of mind. The VOM takes it as one of their tasks to sensitise their members. Last year in November, a congress has been organized, which was mainly devoted to sustainability. One of the speakers outlined in detail how China is one of the biggest consumers of raw materials and he produced evidence for the importance of recycling. The key question is how at the end of its life cycle a product can be disassembled and raw materials can be reclaimed.

According to the EDP (Environmental Product Declaration) (ISO 14025) future surface treatment must meet following criteria:

- Multifunctional
- Esthetical and modular
- Sustainable
- Maintenance-friendly
- Accessible
- Easy to disassemble
- Reusable

This means that each product must be accompanied by a transparent declaration of its life cycle environmental impact, which includes the surface treatment it has been subject to. This is a tremendous challenge that requires knowledge and insight from all parties involved.

Clustering

Many times, joint ventures or even holding structures will be established between various companies, each of them specialized in distinct services or technologies. These clusters can offer a complete portfolio of services and, thus, generate more business. Surface treatment companies may for instance acquire a construction atelier and add the service of product assembly to their own surface treatment competence. Certain Flemish enterprises are establishing subsidiaries in Eastern Europe. Low-cost mass products can be handled outside of the BENELUX at competitive prices but knowhow, R&D and the more challenging projects remain here.

Automation

Today, investing in automation is a necessary but expensive choice for many companies. The main thing is to take a critical look at the whole picture. The ever increasing energy demand, the excessive wage and environmental costs along with customers' desire to pay less and less, severely curb the manoeuvring latitude for a lot of surface treatment companies. The result is that they cling to their existing activities and resign themselves to developments in the market and society. Obviously they want to invest in new activities that offer higher profit margins, but they often balk at the high cost. In such cases it is particularly important to determine all the possible returns on the investment involved. As a rule, new technologies mean lower environmental costs, they save work and reduce the energy bill.

VOM advocates for a fair price of craftsmanship

Offering the best quality for a fair price is our goal. The market is polluted with no less than a genuine price competition and too many times purchase decisions are made on pricing arguments only. However, it is not just a matter of price but also a question of quality and product security on a long term and this is where it hurts. VOM, therefore, initiated lobbying work to plead for correct and sustainable coating systems. The VOM is using various sectorial publications as a vehicle to get this idea across to purchasers.

Did you know that in the production of a mid-size compressor with a 25,000 Euro market value the coating costs only have a 0.5 to 1% contribution to the selling price? So it shouldn't be a frill to choose the right coating system if it can stretch the lifetime of the compressor rather than sending it prematurely to the junkyard.

The same applies to window frames, doors and veneering in the construction sector. There also coating amounts to merely 2% of the total production cost. Similar argumentation suggests the choice of quality products to prevent colour fading and degradation, rather than being confronted with expensive and impossible repair work that necessitates disassembly of construction elements.

Those who are willing to look beyond the confines of their own business will discover new possibilities and opportunities faster.

VOM has assumed the mission to create awareness for the challenges and opportunities in the business sector of surface treatment. Their members are often confronted with their customers' incomprehension when dealing with tough coating problems and issues. Many times their clients seem unaware of the complexity of surface technology. This is why the VOM devotes a lot of attention to live demos and customer/supplier interactions at trade shows. It is always interesting to look at the unfinished rear or inner side of an object that has undergone a surface treatment. It usually tells you a lot about the way the surface treatment company has approached the job and solved certain problems. EUROFINISH is an opportunity to look at the other side of the world of surface treatment techniques. The exhibition shows what is behind the new processes. Those who are willing to look beyond the confines of their own business will discover new possibilities and opportunities faster. The concurrent seminar program is obviously another source to look deeper into the cooperation throughout the value chain.

In short, EUROFINISH, the European trade show for surface technology and engineering, is the ideal venue to explore new possibilities and opportunities.

4. EUROFINISH endlessly enriching

EUROFINISH is a professional niche exhibition in the field of surface treatment and focusses on following themes:

- Corrosion resistance: innovation with focus on durability
- Materials technology: attention to functional and smart utilization of materials
- Valorisation and durability: balancing technology and environment
- Precision and engineering: concurrent evolution and development

5. DRAFT List of exhibitors (dd. 30/03/2017)

Firm	Booth
AD INTERNATIONAL	M3
AGFA-LABS	B3
AGORIA	VOM stand
AIRBLAST	D4
ALMAPLAST	H11
ALTER-ECO	M7
ANALIS	D2
B.C.A.	A1+A2
BEKKERS METAALSPUITWERKEN	B6
BELGIUM COATINGS	D10
BELMEKO ENGINEERING	E1
BELVAC	B7
C&T TECHNICS	H3+H4+EH3+EH4
CALDIC BELGIUM	B2
CHEMETALL	D11+D12
CITAKU BV	A7
CLUSTER INNOVATIEVE COATINGS	M20
CSB2	F5
CZL TILBURG (Boterberg)	A3
DE BELEYR-ENGINEERING nv	M19
DE BRUYN	F3
DE PLOEG TECHNIEK BV	G5
D'HAENE nv	
DUTHOO COATING CONCEPTS	M2
ECCO FINISHING	A10 +A11
ECO-VISION	D5
ELCOMETER	B4
EMPTMEYER U.T.S.	E12
ERICHSEN	A12
ESTEE INDUSTRIES	M4
EUROMAT-BRUSSELS	F7
FMB	A5
GLASBEEK FINISH	F6
GREEN-TRAINING	A8
HARTHA HARDENING INDUSTRIES	G6
HATWEE	D9
HELMUT FISCHER MEETTECHNIEK	D6+D7
HS PROTECT	H5
INPLASCO	F1+F2+F12
KLUTHE BENELUX (Alphen a/d Rijn)	I1+I12
KOTI-NABO INDUSTRIEEL EN TECHNISCH BORSTELWERK	M8
LABOMAT ESSOR (Belgian Office)	D3
LAKKERIJ VANDEREYT	G12
LIBERT PAINTS & C° nv	
LITHCOTE EUROPE sa	B5
MAGISTOR	E2

MATERIA NOVA	F11
MAVOM	H1+H12
METAL COATING SYSTEMS	H2
METAL FINISHING INDUSTRIES (MFI) nv	B8+B9
NELCO	E5
NOVASOFT	F4
OERLIKON BALZERS COATING BENELUX	F9
OMYA	F8
OVERVELD COATING	B10+B11
PACKO INOX Branch Diksmuide	F10
PHIBO INDUSTRIES	B1+B12
PPG REFINISH BENELUX	H7+EH7
PROTECH-OXYPLAST	G2+G3
RAILTECHNIEK VAN HERWIJNEN bv	G7
SIMA sa	M6
SIRRIS - SMART COATING APPLICATION LAB	A6
SODABLAST	H9
STARDUST POWDER COATINGS	G11
STRAALTECHNIEK INTERNATIONAL	G9+G10
TAPE SERVICE COENRAETS	D8
TE WINKEL GROUP BVBA	M21
TECHNOCHIM	G1
THERMO-CLEAN	E3
TQC	A9
UPTIMISE	M9
VAN OS - DURACOAT	E11
VERENIGING ION	VOM stand
VIP TOOLS bvba	G4
VITO	A4
VOM	Vom stand
WEERT GROEP	H10 + EH10
WSB FINISHING EQUIPMENT	M5
WVT INDUSTRIES	M1
X4C	M18
ZANDLEVEN POEDERCOATINGS	D1

6. Fringe activities

6.1 Seminars: Focus on customers and purchasing agents!

In addition to offering their visitors a fully stocked exhibition floor, VOM reaches out to its peers inviting them to cooperate on an interesting fringe program. EUROFINISH looks beyond surface treatment technology and also aims at your customers. They also deserve a valuable information package.

- **Aankopersbeurs – AGORIA- Wednesday 10 May 2017**

First and foremost there is the well-known AANKOPERSBEURS (Purchasers Fair) of Agoria, organised on May 10, 2017. The concept of a purchasers fair is simple and efficient: to bring the highest number of purchasers together with various suppliers. More information can be found at www.aankopersbeurs.be.



The banner features the text 'Aankopersbeurs 2017' in large black font, with 'Speeddating for B2B' in blue below it. The AGORIA logo is on the left. On the right, there is a photograph of a woman and a man in a meeting, and a blue button that says 'Schrijfje nu in'.

- **Seminar “Modern anticorrosion systems” – ATIPIIC – Wednesday 10 May 2017**

Next there is also the well-known seminar organised by ATIPIIC, the Belgian association of technicians from the paint and paint related industries.

Programme:

14:20 Dr. Volkmar Stenzel - Fraunhofer Institute

Functional coatings for the improvement of the performance of wind turbines - latest developments

14:55 Mr. Alain Lejeune - Momentive

Novel Concepts of Using Si-based Modifiers for Formulating High Performance Polyurethane Coating Systems

15:30 Professor Serge Bourbigot - University of Lille – ENSCL

What you always wanted to know about intumescence for fire protecting steel

16:05 End of session and visit of the fair

- **Exhibitors on the floor – Wednesday 10 May 2017**

Also a cooperation of AD Chemicals and Weert Group brings a fascinating example of the evolution towards chromeIV-free powder coating.

11h00 – 11h30: Verzinkerijen: de reis naar een chroom (VI)-vrij poedercoatproces: casestudy door Roland van Meer (AD Chemicals) en Norbert Beljaars (Weert Groep)

- **Workshop “Vacuum-related technologies: from nothing to smart surfaces!” – BELVAC – Thursday 11 May 2017**

Vacuum is strictly defined as a space void of matter. Nevertheless, for materials engineers and scientists, it also represents a region with a gaseous pressure much less than atmospheric pressure. Such a kind of media is employed since decades to perform dry (surface) modification and/or synthesis of materials avoiding any use of potentially harmless or polluting solvents. In addition to this already exciting advantage, these vacuum-based technologies often allow to perform chemical modification or synthesis that would not be possible by more conventional wet chemistry approaches.

The present workshop organized by Belvac, The Belgian Vacuum Society, in collaboration with associated companies aims at introducing these vacuum-based technologies to industrials and academics participating the Eurofinish fair. It will be structured around four topics: vacuum technologies, vacuum-related surface treatments, vacuum coatings and surface characterization. Each of this topic will be discussed during 1h15 modulus composed by introductive academic lectures by experts, industrial presentations and demonstrations.

Programme:

10h30 – 11h45: Workshop: vacuum technologies

11h45 – 13h30: lunch + visiting fair EUROFINISH

13h30 – 14h45: Workshop: vacuum-related surface treatments

15h00 – 16h15: Workshop: vacuum deposited coatings

16h30 – 17h45: Workshop: surface characterization

- **Seminar “Corrosion protection with Zinc” – FMB – Thursday 11 May 2017**

Zink wordt in heel wat toepassingen gebruikt als corrosiebescherming via diverse technieken, maar wat is de plaats van metallisatie in dit geheel? In de tweede voordracht wordt ingegaan op het gebruik en de voordelen van metallisatie met zink-aluminium als corrosiebescherming. Verder wordt er ook technische uitleg verschaft met betrekking tot de laagdikte, het uitvoeren van metallisaties en oppervlakteruwheid. Courante testen worden besproken, zowel in labo omstandigheden als in de reële omgeving. Ten slotte wordt stil gestaan bij nieuwe ontwikkelingen. De laatste voordracht toont objectieve testresultaten die geproduceerd worden door een onafhankelijke instantie, met name het MPA in Stuttgart.

Programme:

14h00 – 14h25: Stambloom Corrosiebescherming met zink door Didier Rollez

14h30 – 15h15: Do's en Dont's van metallisatie door Didier Rollez

15h20 – 16h00: Meest recentste resultaten m.b.t. de corrosiebescherming van naakte metallisatie in maritieme omstandigheden (zowel atmosferische/ ondergedompelde/splash-zone als air zone)metallisatie – Helgoland (Dr F Prenger)

- **Exhibitors on the floor – Thursday 11 May 2017**

Also a cooperation of AD Chemicals and Weert Group brings a fascinating example of the evolution towards chromeIV-free powder coating.

11h00 – 11h30: Verzinkerijen: de reis naar een chroom (VI)-vrij poedercoatproces: casestudy door Roland van Meer (AD Chemicals) en Norbert Beljaars (Weert Groep)

6.2 Innovations

The link between innovation and practice!



Following a mapped itinerary along selected stands, visitors and press delegates will discover promising innovations in surface treatment.

PreCoat F31/20 and Z31/20 (AD Chemicals/Weert Group)

ADChemicals introduces a new product line that provides additional protection and improved coating adhesion after blasting or metallization of the substrate. The product line consists of PreCoat F31/20 for steel substrates and PreCoat Z31/20 for galvanized steel and aluminium.

The products are applied by means of a spray system and form a conversion layer that provides better protection and coating adhesion in comparison to a conventional blasting process. The latter only provides adequate coating adhesion but leaves no protection of the substrate against temporary corrosion.

PreCoat F31/20 and PreCoat Z31/20 are the first chrome^(VI) free pre-treatment solutions in Europe for powder coating on galvanized steel, that comply with Qualicoat and GSB standards.

In cooperation with the Weert Group, this first chrome^(VI) free Qualicoat (Approval No. A-119) and GSB compliant pre-treatment for powder coating on galvanized steel (duplex system) has been made commercially available.

PA stopper (Citaku)

CITAKU presents a patented PA stopper for plugging holes during the coating process. Venting can be done through an opening on the stopper grip. The PA stopper can be used for large bores and is temperature resistant up to 315 degrees C.

Ultra high speed LASER cladding (CZL Tilburg)

CZL presents in world premiere their Hornet high-speed laser cladding system, which is currently available for European job coaters. The system can be used for applying tear- and corrosion resistant layers or restorative coatings with low temperature demand.

Ultra-high-speed laser cladding results from extended development of conventional cladding technology and involves a laser induced welding process with minimum heat requirement and high meltdown speeds of 200 m/min. Alloying unconventional metal combinations such as Ti/Cu, Fe/Ti and Fe/Al is possible.

The process can be fine-tuned for various types of layers and applications thanks to the multiple system configurations that can be selected. Depending on the type of layer, thickness can vary from 50 µm to 300 µm each pass. The high-speed laser cladding technique is a suitable alternative for hard chrome.

Automation and robotisation of Quality Control (Helmut Fischer)

Helmut Fischer launches and demonstrates a robotised coating thickness measuring system as a total solution for user-independent measurements on geometrically complex objects. The FISCHERSCOPE MMS-PC2 forms the heart of the setup along with automatizing software, a robot and a thickness gauge. The configuration is flexible and adjustable to the application.

This modular multi-measurement system can be configured to the most suitable measurement technique and has the possibility of communicating with universal robot systems. A Helmut Fischer representative starts with an evaluation of the specific user requirements, after which an application specialist determines the most appropriate method and equipment for the application. The automation team then develops the required adapter to accommodate the measurement probe on the selected robot system so a test configuration can be assembled and programmed.

Online monitoring (MAVOM)

Mavom introduces Legio Box, an online monitoring system that allows remote process control by means of a detailed activity prognosis of the process chemistry.

The system allows continuous measurement, remote data analysis and setting of alerts. Trends and evolution of the process chemistry are readily accessible and based on this information drastic quality fluctuations can be eliminated. The online monitoring is therefore an ideal tool at the start-up of new pre-treatment lines or when chemical or dynamic processes must be altered.

The Mavom configuration monitors pH, conductivity and temperature of the process chemistry. These are the basic parameters that provide an overall status of the activity and concentration of process chemistry. It is possible to monitor additional parameters by connecting more sensors to the Legio Box.

The user can log in to the Legio Box website and access data points, system parameter settings, results, etc. It is possible to establish a user specific dashboard. Reports can be uploaded, data can be downloaded and alerts can be sent by email or text message.

Application of nanostructured functional coatings (Technochim)

Technochim is specialised in the application of ceramic nanostructured coatings. Using “soft chemical” methods based upon polymerisation reactions at lower temperatures than the conventional techniques hybrid thin layer coatings can be deposited, which consist of organic as well as inorganic components. They can be applied on several substrates such as metal, glass and on natural as well as on synthetic materials.

The nanostructured coatings provide additional functionality to the material on which they are applied, such as antibacterial, scratch resistant, antireflective, easy-to-clean and anticorrosive properties. They can be used in several industrial sectors like e.g. construction, metallurgy, pharmaceutical, electronics, medical, naval and aeronautical, but also in the textile industry, food catering etc.

Automatic Film Applicator 'Compact' (TQC)

TQC introduces and demonstrates a compact and automatic film applicator for shops that still apply paint films manually.

The AFA Compact is an entry-level film applicator that accepts test charts up to A4 format. The application speed can be adjusted from 1 to 150 m / s. The device accommodates spiral as well as block applicators and is easy to use thanks to a standard TQC interface. The AFA Compact ships with a glass plate or with a perforated vacuum plate. Its pricing should not be a problem for any laboratory that wants to apply reproducible and precisely layered paint films. The AFA Compact can be used for the entire range of TQC applicators.

The Circulator (VITO)

VITO introduces and demonstrates a web tool to assist companies to identify and assess their specific potential in a circular economy.

The Circulator.eu web tool is used to look into qualified business models that give companies a head start in the inevitable circular economy that is coming at us. Together with the client company VITO will look for the optimal combination of sustainability and efficiency, based upon scientific researched tools such as cost analysis throughout the product lifecycle (LCA and LCC).

VITO also tries finding an answer to questions regarding the feasibility of waste- and secondary stream recycling into second source raw materials for your or other companies' activities. This can involve liquid

product streams from which valuable elements can be extracted and processed for safe disposal, the recycling of solid secondary streams of surface treatment activities, or the recycling of end-of-life products. VITO has the technology to convert these streams into second source raw materials.

6.3 Demonstrations

The demo area invites visitors to a live experience of future oriented technology. The following companies have signed up to cooperate in this demo project:

- Centexbel
- Certech
- Ecco Finishing
- Green Training: Spray SiM simulator
- i.Revitalise: capacity sharing project
- Kluthe
- Melotte: 3D printing in metal
- Novasoft
- TQC
- UGent - werkgroep CoCooN: conformal coatings
- UHASSELT & IMO-IMOMECC: nanotechnology

7 General information

Venue:

Brabantthal

Brabantlaan 1

3001 Leuven, Belgium

Date and opening hours:

Wednesday 10/05/2017: 10 am – 6 pm

Thursday 11/06/2015: 10 am – 6 pm

Entrance fee:

40 € per visitor

Admission is free with a VIP-card (distributed by the exhibitors) and after preregistration on www.eurofinish.be.

EUROFINISH only addresses professionals from the industry.

Catalogue:

Our catalogue is available for free at the entrance.

For additional information:

Asbl VOM vzw

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PROMOTIONAL MOVIE EUROFINISH2017:

<https://www.youtube.com/watch?v=e6QiKP0XSw0>

8 About VOM

The VOM is a technological trade organisation, active in the field of surface treatment of materials. To date 300 companies have subscribed as members of the VOM. The VOM represents job coaters as well as their potential clients, companies with integrated surface treatment facilities, suppliers of related products and services, research centres and universities.

It is our mission to disseminate general and technical information about coating processes by means of networking activities, courses, trainings, plant visits, daily seminars, publications, and to represent our industry segment towards the industry and the government authorities. Not only all the disciplines of surface treatment, but also environment, safety and quality issues are being taken care of.

Every two years, our own trade show EUROFINISH (www.eurofinish.be) is the meeting platform for suppliers, customers and purchase agents and a source of information for them about the status of the surface technology. Our website www.vom.be is used to promote the activities of our members. An extensive index of keywords helps you finding suppliers of relevant techniques, chemicals, devices and other services. Through this site you can also subscribe to the VOM.be newsletter so you will stay abreast of all the news from the world of surface treatment.

In the monthly VOM INFO magazine members can publish editorial papers free of charge. The magazine's run length of 2,000 copies covers the precise target group, i.e. all companies specialised in surface treatment, along with those who are looking for coating processes.

VOM holds the license for QUALISTEELCOAT, the quality label for organic coatings on steel. Currently, 6 Belgian companies obtained the QUALISTEELCOAT label. More about this can be found on http://www.vom.be/NL/reeds_gecertificeerde_bedrijven-qualisteelcoat-80.php

VOM delegates are following all relevant themes at close range. One example is the participation of VOM in the advisory commission for studies regarding Best Available Techniques (a Flemish government publication), the IPPC guidelines, REACH, etc.

VOM looks beyond the border and has established a wide platform and network throughout Europe. VOM is an active member and secretariat of CETS, the European Committee for Surface Finishing (<http://cets-surface.eu>), and also member of EFC, the European Federation of Corrosion (www.efcweb.org)

For additional information:

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9 Banners



10. Pictures EUROFINISH 2015

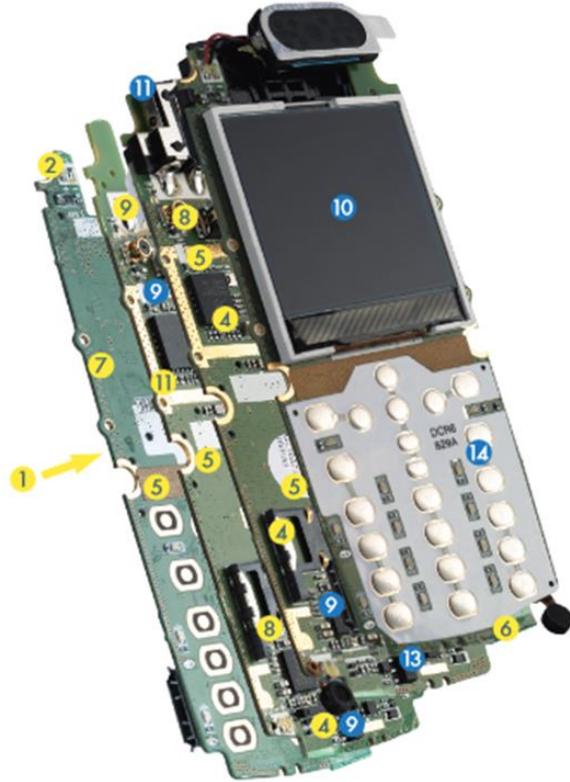






● Nickel

● Other Coatings



Without nickel and without coatings, you would have no cell phone. Nickel is essential for any battery (Li-ion, Ni metal hydride, Ni-Cd). It makes lead-free solder possible while also preventing electromagnetic interference and corrosion. Without Ni, your cell phone would quickly become a useless piece of electronic junk.

No Nickel, No Electronics

1. Li ion battery anode $\text{LiCo}_{1/3}\text{Ni}_{1/3}\text{Mn}_{1/3}\text{O}_2$
2. Antenna - NiTi shape memory alloy

Without coatings, modern electronics would not exist.

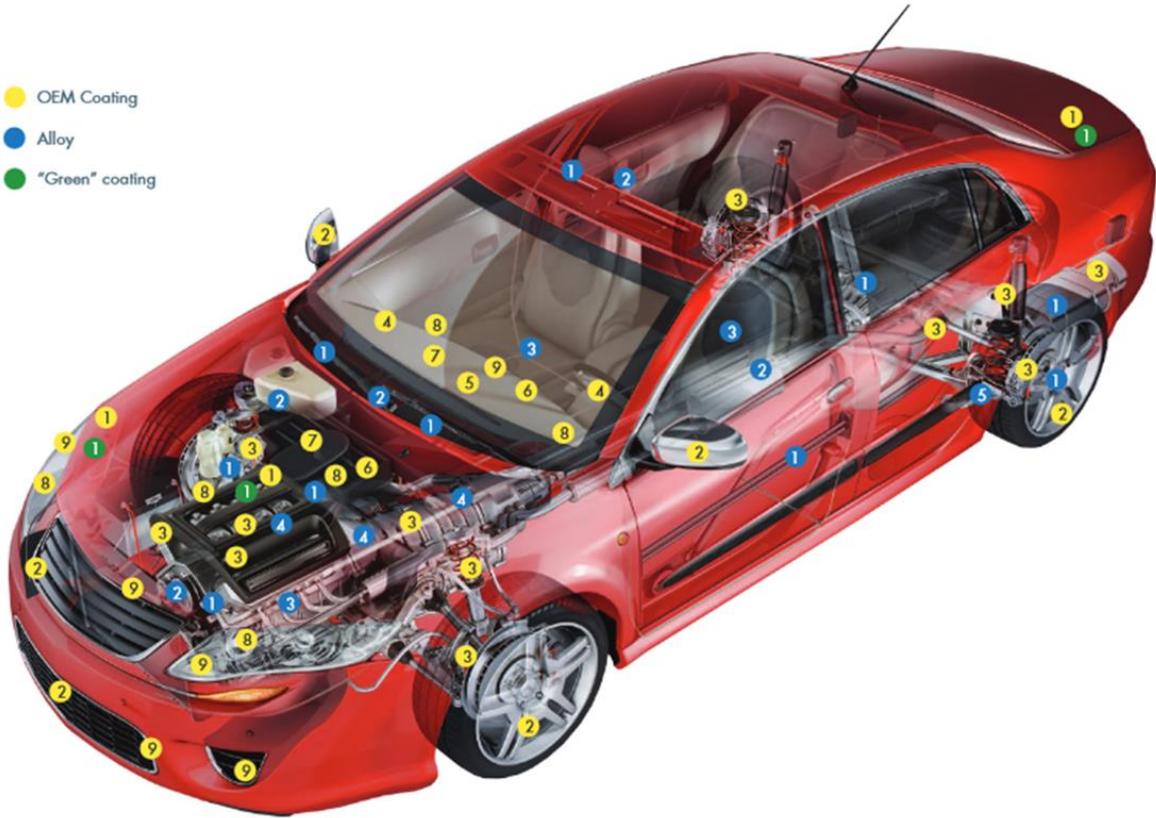
● Nickel

● Other Coatings

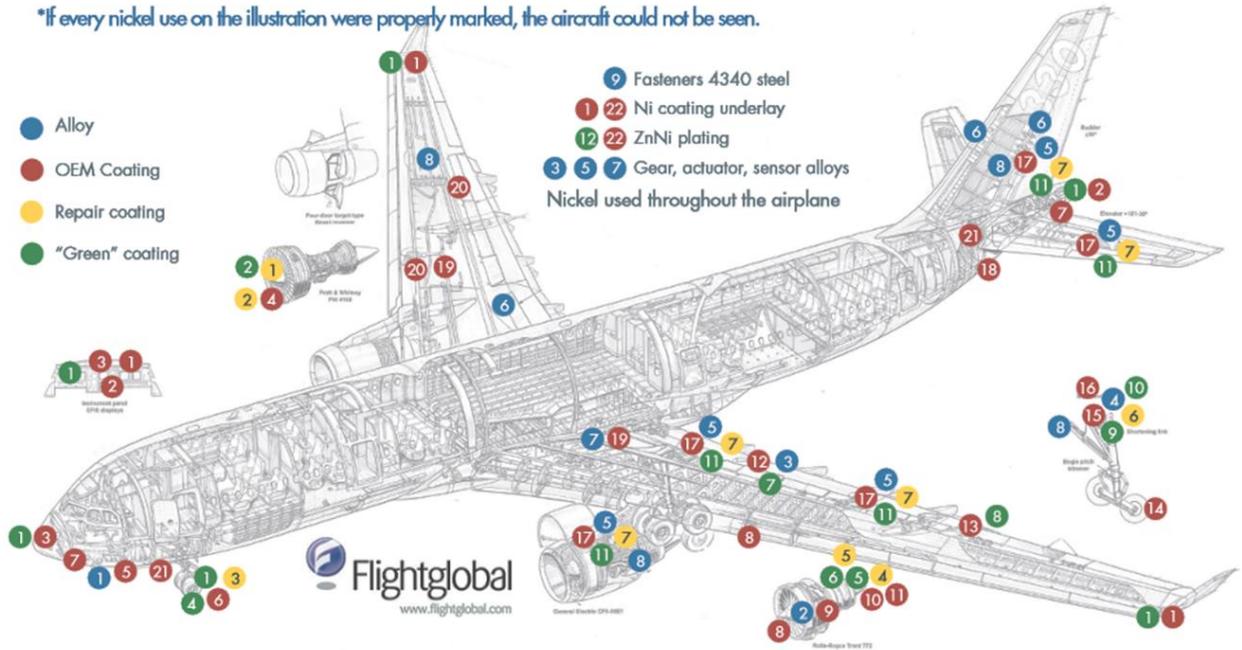


Nickel is a silver-white metal used in a variety of industries including the electronics, automotive and aerospace markets. It successfully meets the unique challenge and ever-increasing need for better performance, wear resistance and corrosion

- OEM Coating
- Alloy
- "Green" coating



*If every nickel use on the illustration were properly marked, the aircraft could not be seen.



OEM Coating

1. Ni plate under Cd on Al electrical connectors throughout – thousands

19. Electroless Ni on Hydraulic pumps, valves
20. Electroless Ni on Gears and bearings

Repair Coating

1. Stainless steel thermal spray
2. Ni anti-seize on threads