



Information circular for members of GSB International

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## 1 5 years of cooperation – GDA & GSB International

Five years ago, it was a strategic step into the future for both associations when the future partners decided to move closer together – not only in a geographical sense with GSB moving to Düsseldorf. Strengthening the international network of GSB and pooling knowledge and research activities were just some of the reasons for the cooperation.

This far-reaching decision was initiated and driven forward at the time by Hans-Jürgen Alfort, then Chairman of the Board and now Honorary Chairman of GSB. His fundamental idea was: “Aluminium and surface finishing, they go hand in hand.”

In his speech at the general meeting of the GDA (German Aluminium Industry Association), Willem Beljaars, Chairman of the Board of GSB, delivered his positive conclusion that both associations could benefit from the cooperation. Together with the GDA, GSB has succeeded in securing the strategic position of the quality association and, as a result, more widespread use of the GSB quality seal. Together they form a strong alliance in the European aluminium industry. Today, five years later, it is clear that the partnership represents a sustainable model for the future.

## 2 Supplier qualification for Deutsche Bahn



Deutsche Bahn (German Railways) recognises the GSB quality seal as a supplier qualification

In June 2016, the revised conditions of delivery for Deutsche Bahn were published:

DBS 918340 – Technical Conditions of Delivery – Powder coating for exterior and interior railway vehicle components

Coaters must ensure that they are qualified to supply powder-coated exterior and interior components made from aluminium and steel for railway vehicles in accordance with this Deutsche Bahn Standard (DBS).

Pre-treatment chemicals tested and approved by GSB are accepted for the pre-treatment of aluminium.

Coaters who hold a GSB International quality seal – Standard, Master or Premium – for aluminium in accordance with GSB QR 631 can qualify by presenting their certificate.

The requirements of Deutsche Bahn in terms of powder paint are virtually identical to those of GSB International. They differ in relation to artificial weathering, for example. In addition, resistance to cleaning agents and graffiti removal agents is required.

For clarification of particular details, please contact the offices of GSB International.

### 3 EPD workshop by the GDA on 27.09.2016



Environmental Product Declarations (EPDs) are becoming increasingly important for verifying the sustainability of construction products and buildings. They are increasingly being requested by architects and project developers. They are not yet a must – but that is just a matter of time. The GDA organised a workshop for its members, in which leading extrusion companies and systems companies took part. GSB International was represented by Mr Alfort and Mr Mader. The discussion focused on general EPDs for uncoated and surface-treated extruded profiles. The launch of a project to produce a generally valid EPD was also discussed. GSB International played an active part in this discussion and can compile the specific coating data for an EPD in a possible project. In this way, the data for the coating of the profiles can be made available and separate EPDs can be developed for the members.

### 4 Pro Corrosion Protection on 28/29.09.2016

Aluminium, its coating and protection from corrosion are also becoming increasingly important in structural engineering. The Gesellschaft für Schweißtechnik (association for welding technology) hosted the 5<sup>th</sup> symposium for corrosion protection specialists and the conference for FROSIO coating inspectors at its branch – SLV Duisburg.

In his presentation, Mr Mader informed the participants, which numbered over 80, about the properties and corrosion behaviour of aluminium. Concerning surface finishing technology, he went into detail about coating and quality control within the framework of the GSB quality seal.

In an accompanying specialist exhibition, the participants were able to find out about this at the shared GDA/GSB stand.



## 5 Training course at Alufinish, Andernach on 4.10.2016



In early October, a training course with a focus on surface pre-treatment took place at Alufinish GmbH & Co. KG in Andernach.

The 18 participants completed a theoretical and practical component. Above all, practical knowledge on the following subjects was conveyed:

- Cleaning and etching prior to chromium-free corrosion protection treatment, analytics and characteristics
- Zinc in acid etching of aluminium, analysis and effects
- Characterisation and analysis of chromium-free conversion layers

In the presentation section, the characteristics of chromium-free methods were touched upon. There was detailed discussion about the conversion of an existing plant and process monitoring based on practical examples. The German Institute for Lacquers and Colours (ILF) from Magdeburg presented the rest potential analysis as a contemporary method for monitoring the pre-treatment process.

We would like to thank Alufinish GmbH & Co. KG, Andernach and the ILF, Magdeburg for their support with this training course.

## 6 GSB Congress on 16 November 2016 in Gossau, Switzerland

NEW REQUIREMENTS AND DEVELOPMENTS FOR COATED COMPONENTS.

- What are the requirements for the coating of the future?
- What are the technologies for the coming years?
- How does Industry 4.0 change the coating process?

These and other questions will be answered for you by high-calibre speakers, who will highlight future developments, trends and success factors for you. The conference will provide you with the opportunity for a lively exchange as well as discussions with the speakers and the other participants.

For details regarding the programme and registration, visit [www.gsb-international.ch](http://www.gsb-international.ch)

## 7 Aluminium and Congress 2016 in Düsseldorf, Germany

### GSB International is a partner of ALUMINIUM 2016

- Trade fair grows with the megatrend of lightweight technologies
- Surface finish pavilion supported by GSB International

ALUMINIUM is looking forward to its 11th edition with optimism: 1000 exhibitors from more than 50 countries are expected from 29 November – 1 December 2016 for the world's largest conference for the aluminium industry in Düsseldorf. GSB International will be there once again as a partner of the trade fair.

Every two years, the ALUMINIUM World Trade Fair showcases new, pioneering solutions for greater efficiency in production and processing – from raw materials to semi-finished products and on to finished products from the application industries, and from machines, systems and accessories to surface treatment. In 2016, the trade fair will focus on the themes of lightweight technologies, resource efficiency and cost efficiency.

### Competence Centre Surface Technology

The exhibitors will display their technical solutions in six exhibition halls. This year, hall 12 is the focal point for the theme of surface treatment. With support from GSB International and the VOA, this is where the Competence Centre Surface Technology will be created once again. Specialists from the area of surface finish technology such as coaters and anodisers, chemical companies and system manufacturers will showcase their solutions here. 19 exhibitors have already registered for the surface finish pavilion five months before the start of the trade fair.

### GSB International is inviting you to ALUMINIUM 2016!

This is how to obtain your free trade fair ticket:

1. Please visit the website [www.aluminium-messe.com/gutschein](http://www.aluminium-messe.com/gutschein) and enter the following voucher code: **cjcd-2qcb-aeoo-e2x3**
2. Once your voucher code has been accepted, you can log in if you already have login details. Otherwise, register under "Registration".
3. Confirm that you agree with the terms and conditions.
4. You will receive your ticket via e-mail or will be able to download it directly. Print the ticket and bring it with you to ALUMINIUM 2016

## 8 Training courses

### Coating steel

Date: November 9<sup>th</sup> 2016

Location: Düsseldorf

### Surface pre-treatment

Date: March 7<sup>th</sup> 2017

Location: Stulln

The key areas in this training course are

- Quality guidelines AL 631 and ST 663
- Chromium-free pre-treatment
- Method-specific process requirements
- Conversion of an existing facility
- Rest potential analysis

In addition to receiving instruction on theoretical aspects, the participants will also carry out practical exercises in the laboratory.

## 9 GSB-dates

- **Board - 3rd meeting**  
Date: October 18<sup>th</sup> 2016  
Location: Düsseldorf
- **Steel Quality Committee – 2nd meeting**  
Date: October 24<sup>th</sup> 2016  
Location: Düsseldorf, Germany
- **Aluminium Quality Committee and Working Group on Testing – 4th meeting**  
Date: October 25<sup>th</sup>/26<sup>th</sup> 2016  
Location: Bremen
- **Assessment of outdoor weathering tests in Florida**  
Date: October 25<sup>th</sup> 2016  
Location: Bremen
- **Aluminium Quality Committee and Working Group on Testing – 1st meeting**  
Date: February 7<sup>th</sup>/8<sup>th</sup> 2017  
Location: Düsseldorf
- **21. Ordentliche GSB Mitgliederversammlung**  
Date: April 24<sup>th</sup>/25<sup>th</sup> 2017  
Location: Düsseldorf

## 10 Exhibitions and events

- **GSB Congress, Switzerland**  
Date: 16 November 2016  
Location: Gossau, Switzerland
- **ALUMINIUM 2016 – World Trade Fair and Congress**  
Date: 29 November – 1 December 2016  
Location: Düsseldorf, Germany

## 11 Seminars

GDA seminars ([www.aluinfo.de](http://www.aluinfo.de))

- **Aluminium and its alloys – an introduction for technicians and traders**  
Date: 20 – 21 October 2016  
Location: Clausthal-Zellerfeld, Germany
- **Surface treatment of aluminium**  
Date: 2 – 3 November 2016  
Location: Düsseldorf, Germany
- **Joining aluminium profiles and sheets**  
Date: 14 – 15 March 2017  
Location: Duisburg, Germany

## 12 Banner advertising and reference photos on the GSB website

Capacity permitting, we offer our members the opportunity to advertise on the GSB homepage. All we need for this is a logo as a JPEG file.

The cost is €150.00 for three months.

## 13 List of experts

The GSB Office has a list of experts complete with all contact details, which you are welcome to request via [info@gsb-international.de](mailto:info@gsb-international.de) if interested.

## 14 Material and member lists

The new website of GSB International has been online since the beginning of June 2013. The lists that used to be enclosed can be downloaded from the website. If there are changes, the lists are updated at the end of the month.

