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1. Change in Management

As announced in our last special publication, Mr Thilo Brückner has now left the GSB International to take on a new professional challenge at Pforzheim.



From 1st January 2011, Mr Brueckner has been replaced by Mr Werner Mader, who since 2001 has been a valued Member of the GSB Technical Commission and a representative in the Association of Aluminum Industries for surface protection against corrosion and its application in the construction industry.

In the second half of 2011 the Head Office will relocate to take up an office suite at the GDA in Düsseldorf.

2. GSB Annual General Meeting 2011

Invitations to attend the GSB International Annual General Meeting which will take place on 9./10. May 2011 in Düsseldorf have now gone out. Once again this year, the meeting will include elections to the Board and Technical Commissions for both Aluminum and Steel.

We have put together an attractive and interesting program and are looking forward to welcoming as many members as possible.

We are also delighted to announce that we have managed to organise a comprehensive site visit program that will be exclusive to the meeting:

The largest Aluminum hot rolling mill in the world at Neuss Norff and one of the largest primary production sites for Aluminum in Europe located at Essen, As an alternative option delegates may participate in a guided tour of Cologne which includes a visit to the Dome.

Prof. Dr. Jürgen W. Falter of Mainz University has been confirmed as a speaker. As a leading figure in the world of politics he will be addressing a highly topical and challenging subject:

**Euphoria – skepticism – rejection
Attitudes toward EU in flux**

Topical lectures on the latest developments in the marketplace, REACH, Pre-Anodising and Durability complete the lecture program.

Please ensure that you register with our Head Office as soon as possible and no later than 15. April 2011. As the Eurovision Song Contest takes place at Düsseldorf in the same week, we strongly advise to confirm your attendance and accommo-

ation requirements early, as rooms cannot be guaranteed after 15th April.

3. IQC – Industrial Quality Coating

The GSB Quality Labels for Steel and Aluminum represent the highest standards in building construction and are well established and acclaimed throughout Europe.

However, there are no official European Quality Standards and Regulations specifically applicable to industrial coatings and mechanical engineering. As a result, these markets often resort to guidelines and specifications that were written for other applications and more often than not cannot meet the actual requirements specific to these sectors.

Once again the GSB is setting standards and at the request of some members has pioneered an independent work group with the aim of establishing specific and stand alone Quality Labels and Regulations.



Industrial Quality Coating International (IQC) is a Quality Association in its own right operating within the GSB International e.V.

The IQC 654 Quality Regulations apply to the industrial powder coating processes for Steel, galvanised Steel and Aluminum piecwork as well as their alloys, specifically excluding coatings for external architectural use to facilitate a definite distinction between the existing regulations and high quality standards for Aluminum und Steel facades (GSB AL 631 and GSB ST 663). The next phase will also see the inclusion of liquid lacquers.

The new Quality Regulations cover tried and tested standards for Pre Treatment and Coating processes as well as in house and third party control procedures which have been adapted to the specific requirements of the industrial coating and mechanical engineering sector.

The new Quality Label IQC International represents the expansion into further markets and may be used by members in addition to the existing GSB Quality Labels.

The new Quality Regulations will be introduced at the forthcoming Annual General Meeting, and we

are happy to send you a copy of the standards upon your request.

4. Pre Treatment Suppliers: 2011 Colloquium

GSB Pre Treatment Suppliers came together for a technical symposium on 04.04.2011. Delegates included representatives of Alufinish, Chemal, Chemetall, Chemische Werke Kluthe, Foster, Henkel, MacDermid, NABU Surface Technique, Surtec and members of the TC.

Experiences were exchanged relating to the use and application of products and processing controls as well as in house and third party control procedures. Topics discussed also included the future of yellow chromating, chrome free and alternative pre treatments.

5. 21st Powder Symposium in Dresden

On the occasion of the 21st Powder Symposium which took place in Dresden at the end of January, Dr. Blecher delivered a lecture to 260 delegates on behalf of GSB on new findings regarding the causes and prevention of filiform corrosion.

The lecture covered a detailed insight into the causes and mechanics of filiform corrosion, and based on this newly acquired knowledge, Dr Blecher explained how this has impacted the GSB Quality Regulations to ensure that standards are being continuously updated in line with the latest advances and technical knowledge.

6. Aluminium-21/Coatings in St. Petersburg

The „Aluminium-21/Coatings“ second international conference takes place from 31st May – 2nd June, which is sponsored by the GSB. Mr Alfort und Dr. Blecher will attend this conference and Dr. Blecher will also deliver a lecture on behalf of the GSB. Please find attached a flyer regarding this event for your information.

The GSB aims to realise this conference as an opportunity of intensifying our existing contacts in the Russian Market and introduce the Quality Label to a wider audience.

7. REACH-SVHC Listing

A specific licence for substances of very high concern is being planned within the framework of the REACH-Regulations. The ECHA (European Chemicals Agency) will officially confirm the status

of substances of high concern by listing any such substances in the candidate list which can be found on their home page. Whilst this does not constitute mandatory licensing, substances listed will be subject to comprehensive information which will be compulsory throughout the supply chain. We attach the listing to this circular for your information and would emphasise that REACH, in the interest of security, commits manufacturers and importers of chemicals to specifically declare properties of high concern in their classification of substances. This commitment is aimed at assuring maximum security in the safe handling of chemicals throughout their entire life cycle.

The SVHC-Listing as well as supporting documentation relevant to Chrome-trioxide are attached.

Further information can be found at:

www.reach-info.de
www.echa.europa.eu

8. The Future of Chromating

Chrome-trioxide (Cr-6+) und Chromic Acid have been included in the list of substances of high concern (see above) as they are deemed to be carcinogenic and potentially genetically harmful. As a result, this puts into question the future of yellow chromating as a suitable pre treatment for the construction industry.

Whilst current regulations do not stipulate a general ban on chromating, individual councils and counties have started to move towards demanding chrome free pre treatments as part of their project specifications. By the same token, construction licensing systems (LEED, DGNB, etc) do award additional plus points for the use of chrome free pre treatments and processes in their evaluations.

Other markets are one step ahead. For some time the European End-of-life-vehicles Regulation has prohibited the use of substances containing Cr-6+. Some car manufacturers have taken this further still and have consequently eliminated the use of Chrome in their pre treatment processes. The rules governing electrical appliances (RoHS-Guidelines) follow a similar system and the Aviation Industry has replaced Chromic Acid Anodising with Tartaric Acid Anodising.

The use of alternative processes in other important sectors coupled with the publication of the SVHC-Listing will inevitably put increased pressure on the construction industry to follow suit, whereby one must arrive at the conclusion that the continued use of chromating in the building sector will be limited to the medium term.

The GSB International has been licensing chrome free pre treatments since 1995 and has records and results of 10-year weathering processes in Hoek van Holland. A list of GSB approved chrome free pre treatments is attached for your information.

9. Building Regulations: Coatings for the corrosive protection of Steel

"Coatings for the Corrosive Protection of Steel Constructions" will be deleted from the Building Regulations (Edition 2011/1). This means that the German Ü-Label for coatings of Steel constructions will be obsolete. Please find attached the official announcement for your information.

10. GSB Training Courses 2011

A course in English took place in Düsseldorf on the 7th and 8th of February.

The training seminar for English speaking GSB Members focused on elementary knowledge of the GSB-Quality Regulations AL 631 (Aluminum) and ST 663 (Steel) and their practical application.

The seminar in German scheduled for 25th and 26th May has been cancelled due to issues with the date.

An advanced course in German is scheduled for 11./12. October 2011.

Invitation and course content will be circulated in due course.

11. GSB Quality Regulations AL 631: Orders

Current copies of the GSB Quality Regulations AL 631 are available in hard copy and CD format from the GSB Head Office in either German or English. Upon request we are happy to send you copies as required free of charge subject to availability.

12. GSB Image Brochure: Advertising Opportunities for Members

As reported in the GSB News 3/10, the new GSB Image Brochure (available in both German and English) was introduced at the ALUMINUM Exhibition in Essen. A copy was posted to all GSB members and upon request up to a further 10 copies are available free of charge to all members. Any additional copies will be charged at

2.50 € On the outside back cover, we have left a space for individual company logos to enable members to use the brochure for promotional purposes.

13. Membership

We are delighted to welcome

ENVIRAL Oberflächenveredelung GmbH
D-14823 Niemege
Master Beschichter Zul.Nr. 255

as our newest GSB member.

The following **Coaters** have applied for GSB International Membership:

Metallcolor GmbH
D – 49593 Bersenbrück

Schweiker Oberflächentechnik GmbH
D - 06184 Kabelsketal

Ulamo Coatings B.V.
NL - 7070 AA Uft

The following companies have left the GSB as at the end of 2010:

Coaters
Alunef / Greece

Sponsors:
Atlas Material Testing Technology BV / Holland
EMS Grilltech / Schweiz
Wurster Oberflächentechnik GmbH / Germany
HolzAluForum e.V. / Germany

14. GSB 2nd Quarter 2011 Dates

04.04.2011

Colloquium with pre treatment suppliers in Düsseldorf

04. / 05.04.2011

Meeting of the Technical Commission in Düsseldorf

09.05.2011

GSB Board Meeting in Düsseldorf

09./10.5.2011

Annual General Meeting in Düsseldorf

15. Exhibitions and Events

4. – 8. April 2011
Surface Technology
Hannover Exhibition Centre, Hall 6
www.hannovermesse.de/surfacetechology

17. – 20. April 2012
PaintExpo
Messe Karlsruhe
www.paintexpo.de

9. – 11. October 2012
ALUMINIUM 2012
Messe Düsseldorf
www.aluminium-messe.com

16. Newly and Re-licensed Coating Materials/Colours

a) Newly Licensed Systems - Aluminum			
Company	Product	Licence No	System Class
Jotun / Czech Republic	Corro-Coat PE-F Series 2487/2488	168 g	Standard
Jotun / Norway	Corro-Coat PE-F Series 2487/2488	169 b	Standard

d) Newly and re-licensed Colours – Aluminum			
Company	Product	Licence No	Colour
Ecopolifix, Italy	Ecopolifix Q 191	233 a	RAL 7012
Teknos Oy, Finland	Infralit PE 8928	146 c	RAL 3014
Tiger Coatings, Austria	Tiger Drylac Serie 117 seidengl.	107 o	NCSS4010Y3

17. Withdrawn and Suspended Coating Materials/Colours

a) Withdrawn and Suspended Systems - Aluminum				
Company	Product	Licence No	Withdrawn	Suspended
Akzo Nobel	Interpon D 1094 HR	108 h	X	
	Interpon D 1094 Satin	108 q	X	
	Interpon D 1094 Matt	185 a	X	
DuPont France	Alesta AP-AO matt	171 b	X	

b) Withdrawn and Suspended Colours - Aluminum				
Company	Product	Licence No	Withdrawn	Suspended
Akzo Nobel Powder Coatings, England	Interpon D 3000 - PREMIUM -	180 a		NCS7030 R70 B (2008)
Bergolin	Superdur AC Gloss 80	103 c	Shade „Yellowgreen“ (2010)	
Bubenhofer AG, Switzerland	Polyflex PES-135 GL, Tribo,	115 i		RAL 6021 (2004)
CWS, Germany	Cewepol-Architektur Pulverlack T	149 a		RAL 8017 (2006) RAL 2004 (2007)
DuPont/Sweden	Alesta AP AE 8001-xxxxx27 Alesta SD SDE gloss - Premium -	163 a 163 e		RAL 9007 (2009) RAL 6005 (2007)
Flycoat, Italy	PT1LM29	224 a		RAL 8014 (2008)

Pulverit S.p.A., Italy	Pulverit Series 51	133 h		RAL 1013 (2003) RAL 9010 (2003) RAL 6005 (2006)
Relius Coatings	Polyester 536 gl.	155 a	RAL 7026	RAL 6005 (2009) RAL 1017 (2010)
Rohm+Haas Germany (Akzo Nobel Powder Coatings)	Vedoc Bonaflex	106 f		RAL 5015 (2000)
Rohm+Haas Germany, Italy, Spain (Akzo Nobel Powder Coatings)	Bonalux highly weatherproof	176 a		RAL 6017 (2009)
ST Powder, Italy	Series P-G 80 Series MST 80 – MASTER –	215 c 215 g		RAL 6005 RAL 1033
Teknos Oy	Infralit PE 8950	146 d		RAL 5024
Tiger Coatings, Austria	Tiger Drylac Series 29 matt Tiger Drylac Series 29 matt Tiger Drylac Series 29 gl. Tiger Drylac Series 29 sdgl. Tiger Drylac Series 29 Fine Structure	107 i 107 i 107 m 107 q 174 b	90089 Eloxal silver 90289 Stainless Steel matt 90003 Silver matt 90224 Silver matt 90230 90096 90316	
Valspar, England	Syntha Pulvin pluss Matt / Synthatec Plus Matt	129 c		RAL 7021

c) The following colours are currently suspended pending Florida Weathering Results – Aluminum

Company	Product	Licence No	Colour
Akzo Nobel Powder Coatings, Germany, UK, France, Italy and Spain	Interpon D 1036 Matt (30)	101 n	ca. RAL 7012
Jotun, Norway / Czech Republic	Corro-Coat PE-F Series 2191	168 b	RAL 7042
Rembrandtin, Germany	Smooth Powder lacquer PE gloss	235 a	RAL 7023
Teknos Oy, Finland	Infralit PE 8350 Infralit PE 8950	145 b 146 d	RAL 7015 RAL 7037

d) Withdrawn and Suspended Colours – Steel

Company	Product	Licence No	Withdrawn	Suspended
DuPont, Germany	Alesta AE80XX-XXXXXXX and Alesta EE70XXXX- XXXXX = Two layer composi- tion	908 c		RAL 7004 (2007)
Oxyplast	PE64	910 a		

18. Alternative Pre Treatment Chemicals

a) Newly licensed Pre Treatment Chemicals				
Company	Product	Licence No		
Chemetall GmbH	Oxsilan AL 0510	304 c	(Powder Lacquer)	
Henkel KGaA	Alodine 5992	301 d	(Powder Lacquer)	

b) Withdrawn Pre Treatment Chemicals				
Company	Product	Licence No	Withdrawn	Suspended
Chemetall GmbH	Gardobond X 4670	304 b	X	

The above listed material systems and colours must no longer be used for GSB approved coatings.

The above supercedes the list published in the GSB News 4/2010 which is no longer valid.

Details of all Members and listings of all licensed systems are continually updated and can be downloaded via our website www.gsb-international.de. To ensure that you have the most up to date information, we recommend to regularly visit our internet site.