

The global standard
for architectural
aluminium finish



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Mo Panan PRESIDENT

MISSION

To provide the global construction industry with the best possible specification and methodology for performance coatings on architectural aluminium. By constant development in finish formulations, equipment selection and application to enable QUALICOAT to lead the development of quality architectural finishes worldwide.

To grant approvals to manufacturers of powder and liquid formulations and pre-treatment systems that meet the requirements of QUALICOAT members.

To review and licence coating plants which exceed the QUALICOAT specification and to monitor the same to ensure consistent quality in supply.

To ensure the development and communication of the QUALICOAT standard is driven by the membership which continues to exceed both country standards and regulations.

MEMBERSHIP

2019 was a transition year; the year we became totally independent from other organisations and entered our name on the Commercial Register in Zurich, Switzerland. It was also the 33rd year of QUALICOAT'S existence. After finalising our preparation, we applied to gain Accreditation Body Status, from the SAS (Swiss Accreditation Service). Due to the enormous efforts by the team and especially Sue Paredi, this was achieved in March 2020. Well done everyone!

In 2019 we introduced the 16th Edition of our Specification, as well as eight update sheets. This was all made possible by the hard work carried out during our Working Groups and Committees in over 25 meetings in various places ranging from Schwabisch Gmund in Germany to Norwich in the UK; lists of the different committees, working groups and meeting places can be found in the body of this report. We also evaluated 1254 reports from Licensee plants in counties all over the world. We thank you for your help and support with these achievements.

At his last meeting in Dubai in November, we bid a sad farewell to our long standing Managing Director of 30 years, Mr Josef Schoppig. Josef was tireless in his efforts to increase our influence as an organisation and Specification worldwide, with recognised success in this area. He will be missed. His very able successor, Ms Sue Paredi, took over the reins as Managing Director of Qualicoat in December 2019 and we hope she is settling in well and will enjoy the challenges she faces ahead.

2019 also saw other staffing changes. After the departure of Mr Salvatore Carullo from our organisation to pastures

new, for which we wish him well, we welcomed Ms Bianca Frei to our midst. We hope Bianca will be very happy with us. We thank Sue, Pascale, Catherine and Bianca for their efforts throughout this transitional period but a special mention should go to Pascale for being our longest standing member of the team now, with appreciation for her stalwart support!

During the year we supported many different events. In May I joined the Qualanod Executive Committee meeting in Basel, Switzerland, where we had the opportunity to explain off-site pre-anodising. Josef and I also joined our Mexican GL in July, in Mexico City and helped with their restructuring plans. Ms Sue Paredi, Josef and I supported the General Meeting of GSB in Hamburg, which is enabling a positive relationship to grow. It was also a significant year for our Chinese GL, as they celebrated their 10th Anniversary in Foshan, China. Josef and I helped highlight this event with our attendance and presentations. In September Ms Sue Paredi and I went to the crossroads of the world, Istanbul, for the ESTAL Congress, where we represented and promoted Qualicoat. Josef and Sue visited many countries; Germany, Bulgaria, Brazil, Cyprus, Czech Republic, Indonesia and Poland to promote, explain and witness the Qualicoat Specification in action.

To close, I send my sincere thoughts and good wishes to all our 'Qualicoat' family at the beginning of this very unprecedented and difficult year due to the coronavirus pandemic. I hope that we can get together again soon and help heal the pain of this sad time. I look forward to that day.

Stay safe and well.



The meetings took place in Zurich, London and Dubai.
Two meetings of **Association Members** were held, one in London on 16 May 2019 and another one in Dubai on 21 November 2019.

All the meetings of the various **Working Groups (WGs),** the **QUALIDECO Committee** and **QUALISURFAL** are shown in the table on the next page:





Meetings of the QUALICOAT Committees and Working Groups

Aluminium WG and Label Extension WG	Amsterdam	24.01.19
Future WG	Zurich London Zurich Zurich	26.03.19 14.05.19 15.10.19 12.12.19
Florida WG	Alcalá de Henares	02-04.07.19
GL Managers and Secretaries	Zurich	27.03.19
Laboratories WG	Schwäbisch Gmünd Rome	16-17.04.19 24.09.19
Marketing WG	Zurich	28.03.19
Powders WG	Athens Alcalá de Henares	19.02.19 04-05.07.19
Preanodising WG (ad hoc)	Amsterdam	22.01.19
Pretreatment WG	Amsterdam	23.01.19
QUALICOAT 3.0 WG	Novara	12.09.19
QUALIDECO Committee	Athens Norwich Novara	20-21.02.19 12-13.06.19 12.09.19
QUALIDECO Laboratories WG	Zurich Novara	18.04.19 10-11.09.19
QUALIDECO Specifications WG	Norwich Novara	11-12.06.19 11.09.19
QUALISURFAL Coating Section QUALISURFAL Decoration Section	Rome Rome	23-24.09.19 24.09.19
Training WG	Zurich	27.03.19

The proceedings of the various meetings were recorded in minutes, which were sent to the General Licensees.

On 21 November 2019, the Meeting of Association Members elected and approved the new compositions of the Executive Committee, Technical Committee and QUALIDECO Committee, valid from the 1 January 2020.

EXECUTIVE

COMMITTEE (EC)

No.	TITLE	FIRST NAME	LAST NAME	GENERAL LICENSEE
01	Mr.	András	Bango	AFMSZ
02	Mr.	Juan Antonio	Bernabé	AEA
03	Mr.	Riccardo	Boi	QUALITAL
04	Mr.	Ross	Doonan	AISF
05	Mr.	Nasir	Fahmeed	QMEA
06	Ms.	Ellie	Ganakou	AAG NPC
07	Mr.	Philip	Hilven	QUALUBEL
80	Mr.	Harmen	Ijdema	Qual.ION
09	Mr.	Andrzej	Jelonek	QUALIPOL
10	Mr.	Savvas	Legidis	QUALICOAT Switzerland
11	Ms.	Jerry	Li	QUALISINO
12	Mr.	Massimo	Meda	QUALITAL
13	Mr.	José Manuel	Mota	AEA
14	Mr.	Yoichi	Ozawa	QUALICOAT Japan
15	Mr.	Xuezhu	Pan	QUALISINO
16	Mr.	Mo	Panam	QUALICOAT UK & Ireland
17	Mr.	Ramanarayanan	Ramnath	QMEA
18	Ms.	Monserrat	Rios	AMELAQ
19	Mr.	António	Sequeira	APAL
20	Mr.	Egbert	Stremmelaar	Qual.ION
21	Mr.	Ivo	Vermeeren	QUALUBEL
22	Mr.	Zoran	Vukas	QUALIBAL
23	Mr.	Łukasz	Witan	QUALIPOL
24	Ms.	Marina	Yatsenko	RAEA
25	Mr.	Metin	Yilmaz	AYID



TECHNICAL

COMMITTEE (TC)

No.	TITLE	TITLE FIRST NAME LAST NAME		GENERAL LICENSEE
01	Mr.	Josep	Arrieta	AEA
02	Mr.	András	Bango	AFMSZ
03	Mr.	Riccardo	Boi	Qualital
04	Mr.	Craig	Brennan	AISF
05	Mr.	Giuseppe	Casati	Qualital
06	Ms.	Ellie	Ganakou	AAG NPC
07	Mr.	Nazir	Fahmeed	QMEA
08	Mr.	Philip	Hilven	Qualubel
09	Mr.	Harmen	Ijdema	QUAL.lon
10	Mr.	Andrzej	Jelonek	Qualipol
11	Mr.	Akira	Kondo	Qualicoat Japan
12	Mr.	Savvas	Legidis	Qualicoat Switzerland
13	Ms.	Jerry	Li	Qualisino
14	Mr.	Mansoor Ali Khan	Mohammed	QMEA
15	Mr.	Miodrag	Milovanovic	Qualibal
16	Mr.	Xuezhu	Pan	Qualisino
17	Mr.	Mo	Panam	Qualicoat UK & Ireland
18	Mr.	Montserrat	Rios	Amelaq
19	Mr.	António	Sequeira	APAL
20	Mr.	Joan	Serret	AEA
21	Mr.	Egbert	Stremmelaar	QUAL.lon
22	Mr.	Ivo	Vermeeren	Qualubel
23	Mr.	Georgios	Vlahakis	AAG NPC
24	Mr.	Łukasz	Witan	Qualipol
25	Ms.	Marina	Yatsenko	RAEA
26	Mr.	Metin	Yilmaz	AYID

Mr. Mo Panam's Presidency was extended to one more year until the end of 2021.

Mr. Savvas Legidis was re-elected as the TC convenor for an additional term.



QUALIDECO

COMMITTEE (QDCC)

No.	TITLE	FIRST NAME	FIRST NAME LAST NAME GENERAL LICENSE	
01	Mr.	Juan Antonio	Bernabé	AEA
02	Ms.	Clare	Doonan	AISF
03	Ms.	Ellie	Ganakou	AAG NPC
04	Mr.	Bhattacharya	Indranil	QMEA
05	Mr.	Andrzej	Jelonek	QUALIPOL
06	Mr.	Savvas	Legidis	Qualicoat Switzerland
07	Ms.	Jerry	Li	QUALISINO
08	Ms.	Martina	Montinaro	Qualital
09	Mr.	José Manuel	Mota	AEA
10	Mr.	Mo	Panam	Qualicoat UK & Ireland
11	Mr.	Salvatore	Valzano	Qualital
12	Mr.	Georgios	Vlahakis	AAG NPC
13	Mr.	Łukasz	Witan QUALIPOL	
14	Ms.	Marina	Yatsenko	RAEA

Mr. Juan Antonio Bernabé was re-elected as the QDCC convenor for an additional term.



The following update sheets were ratified on 16 May 2019 to become effective on 1st July 2019:

15 th FD	SPEC-US16	Visual assessment after weathering tests
	SPEC-US17	Coating manufacturer's right of appeal
	SPEC-US18	Clarification of Section 4.1.5.2 and removal of Section 4.1.5.3
	SPEC-US19	Clarification on when to perform the Machu test
	SPEC-US20	Attendance in training

These update sheets were included in the Master version of the **16th edition published on 1st July 2019.**

On 22 November 2019 the following update sheets were ratified to become effective on 1st January 2020:

16 th ED	SPEC-US01	Revision of In-House Control
	SPEC-US02	Revision of Appendix A6
	SPEC-US03	Appendices on colour tolerances (for QUALICOAT laboratories)
	SPEC-US04	Colour deviation
	SPEC-US05	Test method for the Martindale test
	SPEC-US06	Reorganisation of the list of tests in Chapter 4
	SPEC-US07	General Information
	SPEC-US08	Standards (updated references and dates)

On 13 June 2019 the QUALIDECO Committee approved a new edition of the specifications for the decoration of coated aluminium including the different updates made since September 2017. These new Specifications were published on 1 July 2019, simultaneously with the 16th Edition of the QUALICOAT Specifications.

OVERALL

SYSTEMS

APPROVED

NUMBER OF LICENSEES

	2017	2018	2019	DIFFERENCE
Coater licensees	458	475	486	+11
Approved powders	553	591	659	+68
Approved pretreatment systems	89	88	92	+4
QUALIDECO Licensees (decorators and suppliers)	84	91	90	-1

BREAKDOWN BY REGION (COATER LICENCES)

YEAR	EUROPE	AFRICA	ASIA	AUSTRALIA	AMERICA
2019	362	28	73	9	14
2018	358	28	66	9	14
2017	351	24	63	9	11

BREAKDOWN BY GL

GL	COATER	POWDER MANUFACTURER	APPROVED POWDERS	PRETREATMENT	QUALIDECO D PS F		CO FS
							10
AAG NPC	23	1	9	3	6	1	-
AEA	45	6	32	11	18	2	-
AFMSZ	6	1	1	-	-	-	-
AMELAQ	9	7	17	-	-	-	-
APAL	16	3	10	-	2	-	-
AYID	39	14	70	3	-	-	-
QMEA	52	20	70	2	6	1	-
QUAL.ION	15	-	-	7	-	-	-
QUALIBAL	4	-	-	-	1	-	-
QUALICOAT Australia	9	1	7	-	-	-	-
QUALICOAT JAPAN	1	-	-	-	-	-	-
QUALICOAT Management	85	40	151	4	10	-	-
QUALICOAT SCHWEIZ	13	2	30	3	-	-	-
QUALICOAT UK & Ireland	17	5	27	4	1	-	-
QUALIPOL	22	5	10	-	2	-	-
QUALISINO LTD	23	31	68	12	1	5	-
QUALITAL SERVIZI SRL	53	14	120	10	19	7	6
QUALUBEL	20	-	-	-	1	-	-
RAEA	6	3	11	-	1	-	-
VOA	28	7	26	33	1	-	-
TOTAL	486	160	659	92	69	16	6

Legend for QUALIDECO: D = Decorator | PS = Powder Supplier | FS = Film Supplier

An extract on the variety of quality matters and investigations which were discussed and prepared in the individual Working Groups during the year.

QUALICOAT 3.0

QUALICOAT launched a new ad-hoc Working Group to investigate new test methods to introduce a new level of quality for coaters. The target is to increase the level of quality, for which new tests will be introduced in the Qualicoat Specifications that will allow the coaters to acquire an exhaustive knowledge of their internal production processes and, therefore, to increase the quality of their final products. This Working Group will take into account the evolution of the quality of aluminum alloy due to the fact that more and more recycled aluminum is available on the market. It will also study, at least, the content of the alloying elements, the quality of the extrusion processes and the heat treatments used, to obtain aluminum profiles with high resistance to corrosion processes and an adequate surface finish. A testing program has been developed and the selection of testing laboratories was chosen to participate in the interlaboratory tests that started in November 2019.

Extension of the label to other applications

The Executive Committee took a strategic decision to extend the QUALICOAT label to include coil coating applications as the market is asking for this. Additional investigations on how to enhance the QUALICOAT Specifications will be undertaken in the Working Group Label Extension. This project is

Concept of corrosion classes into QUALICOAT Specifications

The draft of the concept combining corrosivity classes with resistance of UV was investigated in the Powder WG. The outcome showed that further collaboration between the Pretreatment WG, Aluminium WG and Powder WG is needed to develop the concept integrating the Seaside Endorsement and number and type of powder coatings.

Correlation between accelerated weathering and Florida exposure test

With the powder coating class 1 and 2 QUALICOAT has achieved a very good prediction and reliability of the UV between the laboratory and Florida test. Whereas for class 3 we are currently working on a more reliable accelerating weathering test.

Powder Plant visits

The QUALIDECO Committee has initiated the harmonisation of the powder plant visit frequency between QUALICOAT and QUALIDECO. In the November meeting the Executive Committee has approved the harmonisation with the frequency change to three years valid from 1 January 2020. Additionally, the Powder WG will work on an improved version of the powder manufacturer inspection.

New QUALIDECO logo



On 22 November 2019, the Executive Committee approved a new QUALIDECO logo clearly reflecting that QUALIDECO is part of QUALICOAT.

Updated QUALICOAT SEASIDE logo



The Executive Committee additionally approved the change of the SEASIDE logo by separating the word SEASIDE to avoid any confusion with the new QUALIDECO logo.

Both logos are valid from 1 January 2020 and can be requested from your General Licencee, or for those who are directly managed by QUALICOAT, from the QUALICOAT Secretariat.

ZOILOUS S ECORATION DUAL SURFAL

Qualisurfal is a meeting to exchange experiences and collect suggestions for improvement. Based on the practical experience of the inspectors and the laboratories so any weak points of the quality assurance system of QUALICOAT could be addressed.

Solutions and proposals were discussed and put to the decision-making bodies. In 2019 QUALISURFAL met in Rome on 23 and 24 September 2019 and discussed several points in order to harmonize the inspectors work.

The current valid ISO standards were presented. The digital format for the used inspection report was created. The possibility of infrared curing combined with the usual convection oven curing was discussed. This point was forwarded to the technical committee for consideration that these possibilities are in the market but no official acceptance by QUALICOAT was agreed.

The next meeting will take place in Lisbon if current restrictions due to the COVID-19 crisis permit it.

Inspections carried out at licensees' plants

The QUALICOAT Secretariat evaluated and processed 1'254 inspection reports for 2019. At the beginning of 2019, a new web interface for processing coater inspection reports was successfully launched for use by the testing laboratories and General Licensees to improve the process and efficiency.

Witness Audits for QUALICOAT and QUALIDECO inspectors

Mr. Schoppig accompanied new QUALICOAT inspectors performing inspections in Spain, France, Netherlands, Portugal, Switzerland and together with Ms. Paredi in Greece. Ms. Paredi, the Future Managing Director, performed additional witness audits in the Middle East.

Preliminary visits and audits of coaters and powder manufacturer

The Managing Director carried out powder plant audits in Sweden, Finland, Slovenia, Bulgaria and Asia. Together with the future managing Director, Sue Paredi, they performed additional powder plant audits and a preliminary visit to a coater in Czech Republic. Ms. Paredi also accomplished a preliminary visit and audit from a powder.

PR activities & contacts with General Licensees

MOSCOW





Messers. Bernabé and Schoppig attended the RAEA international conference Aluminium-21 / Surface Treatment and Finishing in March in Moscow. Mr. Bernabé also gave a presentation about QUALIDECO.

HAMBURG

Messers Panam and Schoppig and Ms Paredi attended the Annual General Meeting of GSB in Hamburg in April.



BASEL

Messers Panam and Schoppig joined the Qualanod Executive Committee meeting in Basel, where they had the opportunity to explain off-site pre-anodising.

BULGARIA

Mr. Schoppig and Ms. Paredi gave an introduction about QUALICOAT to the Bulgarian BDWFA Association as a potential new General Licencee in Bulgaria in June.

WEISSACH/ **ROTTACH-EGERN**

Mr. Schoppig and Ms. Paredi attended VOA's General Assembly in May

MEXICO

Messers Panam and Schoppig delivered various presentations at the QUALICOAT event in Mexico in July, organised by AMELAQ.







BRAZIL

Mr. Schoppig and Ms. Paredi attended various meetings with the window association ABRAESP, inspector company IBELQ and the testing laboratory EQUILAM in Brazil in August. Mr. Schoppig also gave a presentation at the event for coaters and powder suppliers organised by IBELQ and ABRAESP.

CHINA

Messers. Panam and Schoppig attended the 10th anniversary of QUALISINO in September. Mr. Panam delivered a presentation to more than 200 participants.





ISTANBUL

Mr. Panam and Ms. Paredi attended the ESTAL Congress in Istanbul in September.







DUBAI & ABU DHABI

Ms. Paredi visited the General Licencee QMEA and performed witness audits in Dubai and Abu Dhabi in November.







POLAND

Ms. Paredi attended the General Assemply in Poland in December.



The official application for the accreditation was prepared by Ms. Paredi together with the assistance of Ms. Kalmar at the end of April. Followed by the crucial achievement of the successful Commercial registration entry on 22 May 2019. After a test run with the Swiss Accreditation Service in July the real audit took place in September.

Further modifications and amendments for documents and Committees were elaborated and approved during the Dubai Meeting of Association Members and were implemented 1 January 2020. QUALICOAT received the Accreditation in March 2020.

Ms. Sue Paredi started at QUALICOAT as the Future Managing Director on 1 January and became the Managing Director after Mr. Josef Schoppig's retirement at the end of November. Ms. Paredi brings a few years experience of managing an international not-for-profit association in the medical field. One part of her responsibilities will be the implementation of the 17065 accreditations exclusively for QUALICOAT.

With the reorganisation of the QUALICOAT Secretariat, Mr. Salvatore Carullo left our employ and Ms. Bianca Frei joined in June as the main person responsible for the coaters.

The new QUALICOAT Certification Body organisation from 1 December looks like follow:

DAILY BUSINESS QUALICOAT **OFFICE** MEETINGS FINANCE & HR PreTreatment Org. / Minutes **Specifications** IT **Budget Annual Report** Sue C. C. Paredi Pascale Bellot Sue C. C. Paredi Accounting Bianca Frei Sue C. C. Paredi Powders Accreditation Suppliers Catherine Tourolle Sue C. C. Paredi **Catherine Tourolle** Catherine Tourolle Invoice Mgtmt Pascale Bellot Accounting Coaters Rep / GL / Dev Sue C. C. Paredi Sue C. C. Paredi Bianca Frei Sue C. C. Paredi Salary / Tax QUALIDECO Website Accounting Pascale Bellot Bianca Frei Rewisco **Statistics** Bianca Frei



Sue C. C. Paredi



Pascale Bellot









A FAREWELL

During the Dubai Meeting in November a farewell was given for Mr. Schoppig who had been the Managing Director of QUALICOAT for more than 30 years.

The President expressed his thanks to Mr. Schoppig for his dedication and hard work for QUALICOAT during all those years.









GERMANY



Laboratories WG in Schwäbisch Gmünd in April



SPAIN





SPAIN

Powder WG in Alcalá
de Henares in July





ITALY





QUALISURFAL Meeting in Rome in September















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