

WORKSHOP

FLOAT GLASS PROCESSING: STORAGE, TRANSPORT, WASHING, CORROSION PROTECTION

SUMMARY

Float glass is produced all over the world. Storage and transport conditions depend on the local conditions and influence the corrosion state of the glass. On the other hand, the glass surface more and more becomes the substrate of high sophisticated functional coatings. As a consequence, a perfect glass surface is decisive because even smallest corrosion defects can spoil the end product.

In the first part, Dr. Emonds will talk about the different types of interleaving powders and their right choice depending on the glass type. A special focus will be on new interleavants which are not based on micro-plastics and fulfill the coming European legislation rules.

In the second part, Dr. Emonds will discuss different concepts of corrosion protection. Special attention will be paid to anti-corrosion interleaving powders and to liquid anti-corrosion products. The positive influence of anti-corrosion products on low-e coating will be demonstrated. A major problem in corrosion protection is the proper application of anti-corrosion products. Mr. Senft will talk about different application possibilities and their advantages/ disadvantages.

In the third part, Dr. Emonds will give basic information regarding the chemistry of (glass) washing compounds. The technical needs for an optimal washing machine will be described.

COURSE TIMETABLE 13TH OF JUNE 2023

9:00 : Start

17:00 : End

DURATION : 8 Hours

ABOUT THE AUTHOR(S)**MICHAEL EMONDS, CHEMETALL/BASF**

Dr. Michael Emonds was born in 1957 and studied chemistry at RWTH Aachen University. In 1991 he received his doctorate from RWTH in the field of biocompatible polymers. In 1992 he joined a company for the application of biological methods in the industry, where he was responsible for the analytical laboratory. From 1993 he worked for Aachener Chemische Werke (ACW), which was integrated into Chemetall GmbH in 2013 as Segment Glass and now is part of BASF. Dr. Emonds is responsible for the application and improvement of Chemetall products for the preprocessing of glass.

**REINHOLD SENFT, GRAFOTEC SPRAY SYSTEMS GMBH**

Managing Director of Grafotec Spray Systems GmbH, Diedorf Germany since January 1st, 1996. Working in the glass industry since 1985 and developing machinery to apply powder like interleaving to separate glass panes as well as developing machinery to apply liquids for stain protection and suspensions for windshield bending. Today, Reinhold Senft has more than 35 years of experience in the glass industry.