



Association Française des Techniciens des Peintures,  
Vernis, Encres d'imprimerie, Colles et Adhésifs

Section Nord



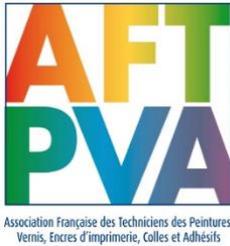
## ATIPIC / AFTPVA Technical day

Thursday December 2<sup>nd</sup>, 2021 in Wevelgem

**Venue :** Salons Cortina  
Lauwestraat 59, 8560 **Wevelgem**, Belgium.– Room Salons Sèvre  
website : <https://www.salonscortina.be>  
e-mail : info@salonscortina

### 1 Program

- 9:00 **Welcome – Coffee/Tea**
- 9:30-10:40 **First session : Opening by Dr. Jacques Warnon – President ATIPIC**
- 9:35 M. Poelman, M.-E. Druart (Materia Nova); A. Nicolay, O. Decroly, F. Groulard (ESIX)  
**"Ceramic-like coatings by solgel "soft" chemistry for multifunctional properties"**
- 10:10 Tijs Nabuurs, Maud Kastelijm from-Covestro NL  
**"Morphology control in water-based biorenewable binders for decorative paints"**
- 10:45-11:05 **Break Coffee-Tea**
- 11:05-12:15 **Second session**
- 11:05 Sarah Peinhopf from CHT  
**"Variphob: Innovative silicone and wax-based hydrophobic agent for architectural paints"**
- 11:40 Xavier Challamel from Vencorex  
**"New flexible Polyisocyanate Tolonate XF450"**
- 12:15–13:45 Lunch
- 13:45-14:55 **Third session**
- 13:45 Laurent Ceroni from Labema  
**"Anticorrosion is also available in a bio-based version"**
- 14:20 Amaury Palluat from BYK  
**"Ceraflour 1001 and Ceraflour 1002 Sustainable Bio-based, Wax –like Polymers"**
- 14:55 **Closure**



Section Nord



## 2 Abstracts

- 1 **"Ceramic-like coatings by solgel "soft" chemistry for multifunctional properties"**  
*M. Poelman, M.-E. Druart (Materia Nova); A. Nicolay, O. Decroly, F. Groulard (ESIX)*

Ceramic-like hybrid organic-inorganic coatings offer new possibilities in terms of aspects, durability and functionalization. Now available at industrial scale, this presentation will give an overview of the main properties of this type of coatings and offer the opportunity to explore the possibilities offered by this nanotechnology in different application fields. Aesthetics, cleanability, durability properties will be illustrated by several examples and industrial applications.

- 2 **"Morphology control in water-based biorenewable binders for decorative paints."**  
*Tijs Nabuurs, Maud Kastelijn - Covestro Coating Resins*

There is a growing need for more sustainable coatings, where applying bio-based raw materials is one of the important leads. In this paper, the process of developing a bio-based binder with a very interesting combination of mechanical properties and excellent water resistance and water absorption is described. Achieving a heterogenous particle morphology proved to be essential for achieving a good set of mechanical properties in these coatings. Applying this finding resulted in a copolymer emulsion with a bio-based content of 30 % and a significantly reduced CFP, showing a combination of good surface hardness and blocking resistance on the one hand, and excellent elongation at break on the other. Due to the more hydrophobic composition water resistance and water absorption were significantly improved compared those of the fossil fuel-based reference.

- 3 **"Variphob: Innovative silicone and wax-based hydrophobic agent for architectural paints"**  
*Sarah Peinhopf from CHT*

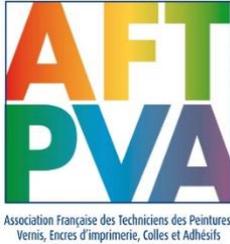
Building protection plays a fundamental role in our society. Hydrophobic additives based on silicone oils and resins are well-known chemicals that have been applied in facade paints and plasters for decades to reduce water absorption, increase water vapor permeability, and create water beading effects.

CHT GROUP offers innovative silicon- and wax-based VARIPHOB technologies that provide outstanding water and weather resistance in architectural coatings.

- 4 **"New flexible Polyisocyanate Tolonate XF450"**  
*Xavier Challamel from Vencorex*

The new Tolonate™ X F 450 has been specifically designed to provide elasticity to your coatings while maintaining high hardness. It is especially suitable for fast drying formulations like aliphatic polyureas and polyaspartics, where it will overcome their brittleness and provide extended pot-life.

Tolonate X F 450 is a very versatile polyisocyanate that can be used alone or in combination with other hardeners, to effectively fine-tune the curing time of the formulation. In addition, the remarkable low viscosity of Tolonate™ X F 450 is of particular interest to develop a broad range of ultra-low VOC formulations.



## Section Nord

### 5 "Anticorrosion is also available in a bio-based version"

*Laurent Ceroni from Labema*

The growing interest of new generations for environmentally responsible products is a driving force for the paint manufacturers. With a growing portfolio of sustainable raw materials (resins, coalescing agents, additives), it is now possible to formulate paints without the massive use of petrochemical resources.

The decorative paints segment is not the only concerned, the products devoted to the anticorrosive applications can also benefit from the current trend.

For ten years, Laboratoires LABEMA have placed the bio-based products at the heart of their strategy, with the development of corrosion inhibitors manufactured with raw materials issued by vegetal sources.

The presentation will explain how the bio-sourced raw materials have been integrated in the LABEMA processes, and demonstrate that technically, the VEGERUST® additives offer the same performance than the traditional products.

A focus on the last grade of the range will be done, to show the interest provided by the new possibilities in terms of formulation for the corrosion inhibitors.

### 6 "Ceraflour 1001 and Ceraflour 1002 Sustainable Bio-based, Wax –like Polymers"

*Amaury Palluat from BYK*

These days, the issue of sustainability is an important criterion in the development of new products. In addition to the product direct properties and effects, questions regarding environmental impact, chemical basis and energy consumption often play a significant role, too.

To follow this trend, in 2011 BYK developed CERAFLOUR 1000, a bio-based polymer that contains more than 97 % renewable resources and is fully biodegradable. It has all the properties of traditional additives manufactured using either natural or synthetic waxes.

This product being very successful on the market, we decided to develop two more biopolymers that utilize the same resource:

- CERAFLOUR 1001 with very fine particles for matting and optimum transparency
- CERAFLOUR 1002 with larger particles for the creation of a surface texture and high transparency while providing the best matting efficiency
- CERAFLOUR 1000, 1001 and 1002 moderately increase the scratch resistance, provide nice haptic properties (soft feel effect), and are widely usable in aqueous, solvent-borne, solvent-free, and UV systems.



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### 3 REGISTRATION FEES

ATIPIC/AFTPVA/NVVT members:	100,00 Euros (VAT included)
Non-members AFTPVA/NVVT/ATIPIC:	140,00 Euros (VAT included)
Retired, Students :	50,00 Euros (VAT included)
Speakers:	FREE

A cash payment at the entrance of the conference room is required.  
For practical reasons neither checks nor credit cards will be accepted.

[Registration form](#)

### 4 REGISTRATION & CANCELLING

Registrations must take place at the latest **by November 15** and exclusively by mail to [info@atipic.be](mailto:info@atipic.be).

To cancel your registration, please contact our secretary's office exclusively by mail at [info@atipic.be](mailto:info@atipic.be) at the latest **by November 19**.

Any cancelling after this date will induce the sending of an invoice for the total amount mentioned on the filled-in registration form.