

COATING TECHNOLOGY

**ZECA**

experience,

technology and

skills for customized

solutions





Being able to provide totally customized packaging is one thing, but to create a solution for the transport of dangerous substances, to prevent materials from leaking in the case of glass breakage, is another. In this article Zeca presents Viplatura, a special coating that combines functional advantages with versatility and perfect appearance.



**P**ACKAGING DESIGNED WITH THE PRODUCT IN MIND

Zeca has been developing, manufacturing and supplying customised solutions for wrapping and packaging of chemical, cosmetic, pharmaceutical and food products since 1983.

Zeca packaging is designed with the product in mind and every order is a stimulus in the search for innovative techniques and materials

to meet specific needs. The experience, technology and the skills the company has accumulated over the years enables it to work in partnership with customers to manufacture wrapping and packaging that respond to their instructions and the characteristics of their products.

Zeca products only leave the company when they are safe and guaranteed, and the company has the declaration of conformity from the Bureau De Verification

Technique (BVT Paris) for the approval of packaging. Specialised staff carry out testing of the packaging and the company issues the Approval Certificate under ADR group I, II or III.

“...products designed as solutions to specific problems.”

## THE COMPANY

Zeca, based in Piacenza, northern Italy, was founded thanks to an idea developed by professor Antonio Campagnoli, who, at the beginning of the 1980s, decided to give entrepreneurial form to his passion for applied science. Professor Campagnoli is, in fact, a professor of chemistry and a researcher, and has long-standing partnerships with leading companies in his field and various research bodies and institutions. He has always distinguished himself by applying scientific principles to resolving specific problems for which it is difficult to find a solution.

His life history is interspersed with a number of discoveries and inventions, from the use of aluminium applied to TNT as a thin layer and used as an antibacterial painkiller in the Army Nuclear, Bacteriological, Chemical (NBC) kit, to the creation of cosmetic formulas based on rock alum, following a study of the problems caused by soldier wearing boots in the Gulf War, the creation of the first red dye not containing selenium for use in the manufacture of ceramics for food, and the composition of glass that does not allow atmospheric transfer, for the transport of chemotherapy drugs, just to name a few examples.



### VIPLATURA – A SPECIAL COATING TECHNOLOGY

Viplatura is an exclusive process, conceived and implemented by Zeca srl, for the coating of glass containers with plastic material. It was created as a solution for the transport of dangerous substances, to prevent materials from leaking in the case of glass breakage, and it combines functional advantages with versatility and perfect appearance.

The Viplatura process involves the immersion of the container in a plastic bath until it is covered, with the possibility of significantly varying the thickness of the coating in order to affect its technical characteristics. This is why it is used in the cosmetic packaging sector and the chemical reagent containers sector (including extremely dangerous substances).

In the case of breakage of the bottle, the coating retains the splinters and the substance is contained, thus preventing injuries and contamination.

Viplatura increases surface grip, therefore making it easier to handle the bottles.

The hygienic characteristics of glass work in harmony with the functional characteristics of plastic materials.



## COATING TECHNOLOGY



...not only a solution for safety but is even an excellent solution for customising a standard bottle.



### Different colours and effects

The coating can be coloured, opaque, glossy, transparent, powdered, rigid or soft to the touch and special effects can be obtained, such as fluorescence, luminescence or eco-leather. Coated containers can be screen printed, pad-printed or hot stamped.

Viplatura can be applied in various sectors such as:

- Coating of containers for dangerous/toxic substances;
- Coating of containers for radioactive substances;
- Coating for cups and glasses;
- Anti-UV coating for containers (up to 95%);

Further benefits of Viplatura are resistance to chemical agents such as weak acids, strong acids, weak bases, strong bases, alcohols and aliphatic hydrocarbons, thermal and electrical insulation, photo-protection from UV light.

- Anti-accident coating for chemical instruments subjected to strong pressure or depression;
- Anti-slip coating;
- Coating for cosmetics bottles/jars;
- Coating for glass food containers;
- Coating of mechanical parts for the automotive sector.

Zeca is now improving and developing to take Viplatura to an eco-friendly level, in order to make it become suitable for food contact. ■

**ZECA** S.r.l.  
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