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This year, for TAKA's 20th anniversary, I would like to tell you a little bit about our history.

Taka was born in 2002 almost by chance, my current partner, Remo Baldassin, called me to ask if I could produce HMPUR for profile wrapping, since he was a manufacturer of wrapping machines for this sector, I told him yes!

I prepared a sample of HMPUR which was tested shortly afterwards by WPR. He test called me and told me that the product had worked very well, so I proposed going into a partnership to produce HMPUR.

With my knowledge of more than 40 years in the Chemical world in adhesives and his in the machine world, I was sure it would be a success and so Taka srl was born.

Right from the start there was a perfect feeling with Remo, he has never interfered in my sphere as a Chemist as I

have never interfered in his as a Machine Builder and Salesman. We are both practical people and all major decisions were made together for over 20 years. This has resulted in Taka becoming one of the most important companies in the adhesive world.

Many people today ask me what predictions I have for our future and the future of HmPur adhesives, well, the future of Taka is certainly good, the technology of HmPur adhesives is undermining the old solvent adhesives, which are toxic and polluting and over the years will be increasingly restricted by law.

We are ready to provide alternative products, with superior performance and without any toxicity or emissions.

In addition, **we are also pursuing a new generation of HMPUR adhesives** that, in addition to having a low percentage of free monomer (micro emission), will have a good component of **BIO** products,

i.e. from renewable sources. As far as work in our country is concerned, this is a bitter note! Italy is perhaps the most beautiful country in the world, but from an industrial point of view, it sometimes makes me feel like leaving it all behind, since bureaucracy is sometimes an insurmountable obstacle to our development.

But let's continue talking about happier topics, for those who don't know me I would like to tell you a little about my passions and my family.

I have many of these, some related to motorsport including Trial, Rally, Boating and others such as skiing, Nord Walking, MBT.

I have a wonderful Family, with my wife Mercedes, we have had two wonderful boys Giacomo and Giovanni who both give me a hand in the company, the first as Plant Manager and the second in the marketing/commercial area, while Mercedes takes care of the financial side.

I hope I have not bored you too much, and I hope to see you all one day to meet you.

See you soon!



GIORGIO COSTENARO
TAKA PRESIDENT



ACADEMY TIPS

Flooring glued with HMPUR adhesives

The flooring market has evolved significantly over the years, especially for composite materials.

They have changed from the classic solid wood parquet, glued to the floor and then sanded and varnished on site, to the pre-finished floor already varnished before installation. These floors (parquet) may consist of 2 or 3 layers where the noble layer will be the first.

The gluing of these wooden floors is carried out using different methods and different adhesives. In recent years, the use of HMPUR glues has increased

considerably to the detriment of PVAc (vinyl glues) due to their ease of use, continuous installations and high water resistance performance of the glued joint.

Taka has developed 2 adhesives for this application, **2308.38P** for roller and nozzle application and cold pressing both continuously and with automatic presses, and **1308.18** for COSTA RIGHI equipment with nozzle application and continuous pressing.

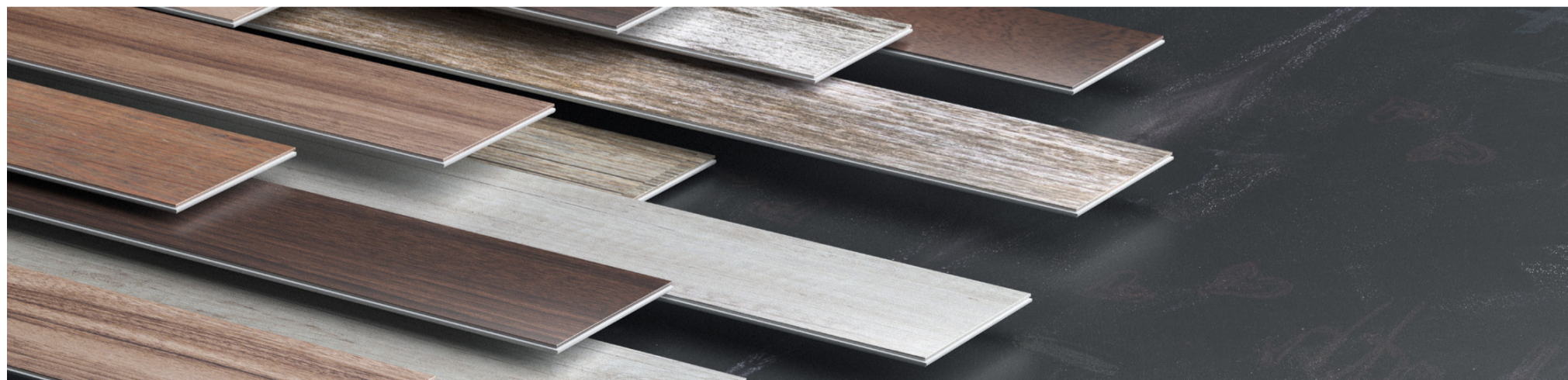
In recent years, there has been an exponential increase in composite floor

coverings of various kinds. These are floors composed of several layers. The upper walkable part can be made of LVT or paper then painted or protected with transparent films. The core board can be of various kinds (PVC, HDF, PP, etc.) and then in the lower part noise-dampening materials such as PP leaves or cork can be glued.

The various compositions are glued together by applying the adhesive (HMPUR) with the roll coater and then laminated and pressed continuously. Taka has developed various glues for these applications, the **2308.40** and

2308.63ME for gluing the various layers together.

Finally, there are a number of accessories that are used during installation, such as expansion joints, which are laminated with glues such as **2308.38P** or **1308.2R**, and skirting boards, which are laminated with **2308.38P** and **2308.45P**. For CPL and in the case of folding with LVTs, to have the same finish as the floor, we use **3308.5**.



IF YOU WISH TO KNOW MORE ABOUT OUR ACADEMY AND OUR NEW TRAINING COURSES, PLEASE SEND A MESSAGE TO ACADEMY@WPRTAKA.IT

Finally a simple solution

Despite its simple process flow, profile lamination offers some pitfalls that laminating companies must deal with.

Cost-efficient production and consistent quality are both prerequisites and goals for a competitive market presence.

However, seasonal temperature fluctuations, unstable availability of raw materials as well as a growing number of decorative films to be processed make it necessary to adjust to the respective conditions again and again. A shortage of skilled workers in the labour market, increasing demands on the quality of the end product as well as ever shorter delivery times pose further challenges for manufacturing companies.

In view of the many requests for product solutions that simplify the laminating process, TAKA's research and development team set itself the goal of developing a universal adhesive that takes

the complexity out of the application. The result is an adhesive that can be used all year round and is largely independent of temperature fluctuations. This is because it ensures rapid cross-linking in both cold and warm temperatures, which enables safe further processing after a short time and thus short delivery times to the customer.

Thanks to its low viscosity, the adhesive can be applied simply and easily to all common decorative foils. At the same time, it offers a high initial adhesion that holds onto stiffer films after they have been wrapped around the profile, thus providing even inexperienced machine operators with a sufficiently wide processing window that forgives inaccuracies in the application. Once curing is complete, the adhesive bond also achieves excellent weather resistance, which is essential for a long-lasting and permanently attractive foil-laminated PVC-U window.

The development of this all-round adhesive was made possible by the **in-house production of our polyesters**. In our TAKA2 plant, we develop and produce customised polyesters for our adhesive production. This enables us to achieve product properties that are difficult or impossible to achieve with polyesters that are freely available on the market. It also allows, our adhesive production to be independent of the raw material supply chain, which in the past has repeatedly had to struggle with supply difficulties.

So if you are looking for a simple solution to a variety of problems, simply contact us at: info@taka.it



THE CUSTOMER'S VOICE

Victorian Sliders going in-line

The UK's leading trade supplier of PVCu vertical sliding sash windows announced a major investment in their foiling facilities.

With the purchase of four brand new WPR profile lamination machines, Victorian Sliders dramatically increase their productivity of foiled products.

Victorian Sliders is one of the few companies in the UK who fabricate the whole window on-site, from extrusion over cutting, welding, and assembly they

even make their own hardware exclusively for the ECOSlide windows range. With the request for colours continuously increasing, Victorian Sliders decided to invest in their in-house colour bonding facilities to keep up with market trends.

"As we have our own extrusion of our own sliding sash window profiles, we went for an in-line lamination solution", explains Geoff Blythe. "In-line lamination comes with great advantages compared to off-line lamination. There is no need for additional handling of the materials,

no extra operators to run the line and a maximum output of foiled profile."

The Italian expert for lamination solutions, TAKA-WPR, has a lot of experience with in-line lamination. In fact, their very first machine ever, sold in 1999, was an in-line machine that is still working today.

Over the years technology has evolved offering new innovative solutions. One of them is double-sided lamination lines, featuring two glue heads and able to foil both sides of the same profile at the same

time. "TAKA-WPR convinced us to be the supplier for this project due to their exhaustive knowledge of the lamination process. As a supplier of adhesives and machines we are sure that they can give us a full service in all aspects of foiling.



We are the tailors of the foiling industry.

Gian Pietro Schiavon is one of the founding figures of this company, He joined the WPR family more than 20 years ago when we were just a handful of people.

Talking to Gian Pietro (or GianPi, as many call him) is a delight. Always available and in a good mood, he is ready to lend a helping hand to anyone who needs it.

Passionate about cycling, he dedicates his free time to his cycling team or going for rides with his wife and daughter, of whom he is very proud.

Recalling his beginnings, he tells us about the atmosphere he found in 2001 when he started his adventure: "We were a group of not more than five people with very ambitious goals, with lots of ideas, but above all with a beautiful frenzy that fascinated me.

Today I still find that passion in this company, now much bigger and more structured, and it is the spark that ignites me every time and

gives me the strength to go on".

Gian Pietro's career began as an external collaborator, he was the first designer and then became the first mechanical designer. Then, little by little, he went through all the operations: from order initiation, supplier management, assembly follow-up, etc.; he came to touch all the technical needs that a company has, from the feasibility study to the delivery of installations.

Today, Gian Pietro is the Head of the Technical Department, he coordinates all the activities and phases of the design and industrialisation of our products as well as the follow-up of the R&D of our machines. Managing a team of 8 people, he follows all the issues related to design, dimensioning, suppliers and everything necessary for the construction of the machines.

Talking about his experience in this position, he says: "I am happy, I try to motivate the guys and make them understand the

importance of working together, to come to work with a smile on their faces. The aim of our department is to work with joy while respecting time. Stimulating the whole team to grow while learning from our mistakes, that's the basis of everything".

We asked Gian Pietro how he has experienced the evolution of WPR in these more than two decades: "At the beginning we were tailors who made machines exclusively to measure, designing each order from scratch. This constant collaboration to design our machines together with our customers has allowed us to grow with them.

Today we have perfected the art of customisation, but we have also industrialised our production process through standardisation, which allows us to optimise the performance of each machine to the maximum and further guarantee the quality of the finished product. Without a doubt, WPR has gone from selling machines to now offering a complete service to its partners".

To conclude, Gian Pietro told us where he gets the motivation to keep going with such optimism and positivity: "Seeing that WPR is a cohesive team working in a beautiful environment full of stimuli and new ideas where innovation is always sought, gives me the energy to come to work happy every day!"



PIETRO SCHIAVON
HEAD OF TECHNICAL OFFICE

ABOUT US 20 Years of TAKA®

TAKA was born in March 2003, the fruit of a dream of two Venetian entrepreneurs.

The first plant was built at the beginning of the 2000s, after a careful product development and an increase in customer demand, TAKA has kept expanding to the present day.

The second plant was **TAKA 2** built in 2010 to become independent from

the sourcing of polyesters from big international groups. This led to a substantial improvement of our PUR in terms of quality and allowed us to make our finished products with unique characteristics unrivalled on the market.

The last plant was finished in 2016. **TAKA 3**, like TAKA 1, is designed exclusively for the the production of HMPUR adhesives.

We are currently working on the construction of **TAKA 4**, which will boast the latest technological developments. It will become the new headquarters of TAKA group.

On the right you can see some photos of the 'before' and 'after' of TAKA.

How the years go by...



BEFORE



BEFORE



AFTER



AFTER



TAKA® Srl
Via dell'Industria, 4
36060 Pianezze (VI) Italia
Tel: +39 0424 411166
Fax: +39 0424 411727
Mail: info@taka.it
taka.it

W.P.R. Srl Unipersonale
Via Indipendenza, 10
31027 Spresiano (TV) Italia
Tel: +39 0422 911849
Fax: +39 0422 911292
Mail: info@wpr.it
wpr.it


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