



WOODWORKING ADHESIVES

WLD DuranteAdesivi®
JOIN US IN EXCELLENCE



"We believe that we don't need many words to introduce ourselves. Facts tell the story and the present of Durante Adesivi, they also are the most concrete evidence of how the company builds a cooperative relationship with customers based on experience and professionalism."

Tarcisio & Luigi Durante







Experience, diversification, innovation and sustainability. A guarantee for the international market of industrial adhesives

Thanks to sixty years of experience in the development and creation of woodworking adhesives, textile, paper packaging and PVC profile wrapping, Durante Adesivi is today a solid and well-known brand worldwide.

We are ready for the challenges and opportunities of a scenario in which the products diversification represents a strategic factor. We also focus our activity into the future investing both in people's talent and knowledge and on the constantly improving of technologies.



Diligence, innovation and the ability of understanding market needs are the factors that allowed us to obtain the leadership in the Italian woodworking industry and establish ourselves as a reference entity in the European market.

Our aim is to create **green adhesives today for a sustainable world tomorrow.**

The new product line NATURA is the evidence of our pursuit of environmental care. NATURA adhesives are produced with a certified bio-based content. They are made with raw materials which come from renewable resources such as wood and residual biomass from agriculture. The usage of these raw materials does not disfigure or alter the environment but rather helps to maintain its balance and biodiversity.



History marked by change and constant growth

1962

Durante&Diana started its production of abrasive pastes

1967

New investments in water-based production for woodworking sector (PVAc)

1978

Durante&Diana changed the shareholder composition and became Durante&Vivan

1980

New investments in the EVA hot melts production

1999

Investments on the polyurethane hot melts technology

2011

Opening of a new production plant in Cecchini di Pasiano in order to increase production capacity of Durante&Vivan (Unit 2)

2016

Opening of a new competence centre in Oerlinghausen in Germany

2017

Opening of a sales office in Stafford, UK

2021

Company rebranding: Durante&Vivan became Durante Adesivi, creation of the sustainable bio-based adhesives line NATURA and factory expansion of offices and production departments.





Meeting the woodworking industries needs since 1962



Our offer for the woodworking industry is represented by a complete range of products that combine performance, versatility, sustainability with our qualitative excellence. We produce adhesives for the edge banding, profile wrapping, flat lamination, 3D technology, laminated wood and high frequency, together with auxiliary products for the cleaning of machines used for the gluing processes.

Edge banding

The quality of the panels edging is a distinctive feature for the interior design industry: the quality of the detail becomes the essence of the whole item.

Our last-generation hot melt adhesives and polyurethane hot melts ensure a perfect sealing and offer an extreme resistance to heat, humidity and other chemical substances used for the cleaning.





Profile wrapping

The profile wrapping is a central process in the interior design industry. The technologies used are constantly evolving and the requirements in terms of adhesives are also changing rapidly.

For this reason, we offer a high-performance range of hot melts and polyurethane hot melts which are developed according to the different materials used for wrapping.



Flat lamination

The production of a wide range of furniture components implies the use of wood-based panels laminated with different materials such as decorative resin-coated papers, veneer, thermoplastic films, CPL and HPL.

The technologies adopted in gluing processes require high-quality solutions, which we guarantee through an innovative range of polyurethane hot melts adhesives, vinyl dispersions and urea-formaldehyde powder.



3D Technology

One of the fastest growing and continually transforming sector in the furniture industry is the wood-based panels with 3D technology. The thermoforming processes must satisfy high quality standards and adapt to the style changes while guaranteeing a perfect bonding.

For this specific sector we offer a wide range of mono and bi-component PUR Dispersions.





Solid wood

Despite the introduction of low-cost materials in the furniture market, solid wood is still high demanded to produce shutters, doors, tables and chairs.

For the gluing processes we provide a wide range of solutions studied both for the handmade and the industrial use. Our vinyl and PUR Dispersion adhesives meet the formaldehyde emission requirements and the durability standards needed by the relevant regulations.

High frequency

High frequency is a special technology used in the production of curved components which is particularly popular in the chair and upholstery sector, where stylistic creativity meets the needs of durable and stress-resistant products.

We provide manufacturers with adhesives compatible with all wood species used and aligned with the new formaldehyde emission standards, in compliance with CARB and E1 regulations. Our product range includes vinyl dispersion and urea-formaldehyde-based adhesives.

Auxiliaries

Our focus on customer needs has evolved a complete range of auxiliaries such as cleaners for the bonding machines. In addition to these there are hardeners that can be combined with our products to produce bi-component adhesives which are highly water-resistant.





Edge banding

| PRODUCT | BASE | VISCOSITY [mPas] @ TEMPERATURE [°C] | APPLICATION TEMPERATURE [°C] | SOFTENING POINT [°C] | DENSITY [g/cm ³] | CHARACTERISTICS |
|--------------------------|-----------------|-------------------------------------|------------------------------|----------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DUDITERM 544 | EVA | 110.000 [at 200°C] | 200-220 | 104 | 1,3 | Universal hot melt for linear edge banding. |
| DUDITERM 549 | EVA | 70.000 [at 200°C] | 200-220 | 104 | 1,3 | Hot melt for pre-gluing edges and edge banding lines at high speeds. |
| DUDITERM 550-1 | EVA | 55.000 [at 200°C] | 190-210 | 100 | 1,4 | Universal hot melt for linear edge banding. |
| DUDITERM 580 | EVA | 80.0000 [at 200°C] | 200-220 | 107 | 1,1 | Hot melt characterised by excellent performance. Suitable for linear edgebanding machines and CNC machining center. |
| DUDITERM 583 | EVA | 70.0000 [at 200°C] | 200-220 | 105 | 1,2 | Hot melt characterised by excellent performance. Clean and easy application. |
| DUDITERM 578 | EVA | 180.000 [at 200°C] | 200-220 | 120 | 1,1 | Hot melt specifically designed for CNC machining centres. |
| DUDITERM 618 | PO | 60.000 [at 200°C] | 200-220 | 155 | 1,1 | Hot melt for high-speed linear edgebanding machines. Characterised by excellent heat resistance. |
| DUDITERM PU 127/5 | PUR | 64.000 [at 140°C] | 140-160 | 77 | 1,3 | Reactive polyurethane hot melt characterised by high initial setting. Reference product in the summer period. Suitable for linear edge banding machines, soft forming and CNC machining centres. |
| DUDITERM PU 130 | PUR | 65.000 [at 140°C] | 140-160 | 70 | 1,3 | Reactive polyurethane hot melt characterised by high stability in fusion systems. Suitable for linear and soft forming machines. |
| DUDITERM PU 145 | PUR | 45.000 [at 140°C] | 120-150 | 72 | 1,1 | Reactive polyurethane thermo fuse characterised by low viscosity. Suitable for linear and soft forming edgebanding machines. Excellent for application with coating head. |
| DUDITERM PU 152/5 | PUR | 60.000 [at 140°C] | 140-160 | 70 | 1,1 | Unfilled reactive polyurethane hot melt. High yield. |
| DUDITERM PU 159LM | PUR Low Monomer | 65.000 [at 140°C] | 140-160 | 70 | 1,2 | Polyurethane hot melt with low isocyanate emission. No risk symbols. The best solution for safety in the workplace. |



Profile wrapping

| PRODUCT | BASE | VISCOSITY [mPas] @ TEMPERATURE [°C] | APPLICATION TEMPERATURE [°C] | OPEN TIME [min] | DENSITY [g/cm ³] | CHARACTERISTICS |
|--------------------------|------|----------------------------------------|---------------------------------|-----------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DUDITERM 716 | EVA | 5.500 [at 200°C] | 170-200 | 84 | 1 | Hot melt designed for complete line wrapping. Suitable for gluing papers. Characterised by a rigid glue line for high quality finishes. |
| DUDITERM 719 | EVA | 8.500 [at 200°C] | 150-190 | 80 | 1 | Hot melt suitable for classic, complete line and vertical wrapping. Suitable for gluing paper and PVC. |
| DUDITERM 1172 | EVA | 50.000 [at 200°C] | 180-200 | 96 | 1,1 | EVA hot melt specifically for wrapping profiles with unsupported veneer. |
| DUDITERM 623 | PO | 38.000 [at 200°C] | 180-220 | 149 | 1,2 | PO hot melt specific for coating profiles with unsupported veneer. |
| DUDITERM 636 | PO | 10.000 [at 200°C] | 180-200 | 155 | 0,9 | Hot melt designed for wrapping with laminates, even thick ones. It guarantees high heat resistance. |
| DUDITERM 653 | PO | 9.000 [at 200°C] | 180-200 | 129 | 0,9 | Hot melt designed for profile and panel wrapping. Suitable for bonding PP papers and foils. |
| DUDITERM PU 115 | PUR | 30.000 [at 140°C] | 120-160 | 77 | 1,2 | Polyurethane hot melt characterised by rapid initial setting. Particularly suitable for complex profiles. Characterised by a rigid bonding line for high quality finishes. |
| DUDITERM PU 173 | PUR | 35.000 [at 140°C] | 140-160 | 77 | 1,1 | Polyurethane hot melt for profile wrapping. Product for universal use. |
| DUDITERM PU 176-1 | PUR | 25.000 [at 140°C] | 140-160 | 72 | 1,1 | Polyurethane hot melt characterised by rapid initial setting. Particularly suitable for complex profiles. Characterised by a rigid adhesive line for high quality finishes. |
| DUDITERM PU 177 | PUR | 27.000 [at 140°C] | 110-150 | 70 | 1,1 | Polyurethane hot melt particularly suitable for wrapping panels. Excellent adhesion on all plastic sheets, even without primer. |



| | | | | | | |
|---------------------------|-----------------|----------------------|---------|----|-----|---------------------------------------------------------------------------------------------------------------------|
| DUDITERM PU 177PW | PUR | 27.000 [at 140°C] | 110-150 | 75 | 1,1 | Polyurethane hot melt particularly suitable for wrapping panels. |
| DUDITERM PU 120 LM | PUR Low Monomer | 35.000 [at 140°C] | 110-150 | 75 | 1,2 | Polyurethane hot melt with low isocyanate emission. No risk symbols. The best solution for safety in the workplace. |





Flat lamination

| PRODUCT | BASE | VISCOSITY [mPas] @ TEMPERATURE [°C] | APPLICATION TEMPERATURE [°C] | OPEN TIME [min] | DENSITY [g/cm ³] | CHARACTERISTICS |
|------------------------------|--------------------|--------------------------------------------|---------------------------------|-----------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DUDITERM PU 111/U | PUR | 4.000 [at 140°C] | 100-140 | 15 | 1 | Versatile polyurethane hot melt material characterised by high specific adhesion to all materials. Particularly suitable for laminates. Produced with a soft adhesive line. |
| DUDITERM PU 211/21 | PUR | 13.000 [at 120°C] | 120-160 | 6 | 1 | Polyurethane hot melt characterised by a rigid adhesive line. Optimal for High Gloss finishes. |
| DUDITERM PU 111 LM-10 | PUR Low Monomer | 15.000 [at 120°C] | 100-140 | 8 | 1 | Polyurethane hot melt with low isocyanate emission. No risk symbols. Long open time. |
| DUDITERM PU 111 LM-20 | PUR Low Monomer | 25.000 [at 120°C] | 100-140 | <1 min | 1 | Polyurethane hot melt with low isocyanate emission. No risk symbols. Short open time. |
| DUDIVIL VR 9 | PVAc | 10.000 [at 23°C] | RT | 5 | 1,1 | D3 vinyl dispersion characterised by low dryness. High stretchability on rollers. |
| DUDIVIL VR 11 | PVAc | 16.000 [at 20°C] | RT | 4 | 1,1 | D3 vinyl dispersion characterised by a short open time. Suitable for gluing various types of wood and laminates. Particularly suitable for the production of work tops. |
| DUDIVIL VR 16 | PVAc | 15.000 [at 23°C] | RT | 5 | 1,1 | D3 vinyl dispersion characterised by low dryness, but with more than good bonding power and heat resistance. Suitable for gluing various types of wood and laminates. Particularly suitable for the production of work tops. |
| DUDIVIL VR 21 | PVAc | 7.000 [at 23°C] | RT | 10 | 1,1 | Single-component D4 vinyl dispersion. Suitable for the production of articles with high water resistance. |
| DUDIVIL PO 136 | Vinyl copolymer | 11.000 [at 20°C] | RT | 7 | 1,1 | Vinyl copolymer dispersion particularly suitable for gluing PVC foils. |
| DUROXILL 508 | UF liquid | 2.500 [at 20°C, mixed with water] | RT | Not applicable | 1,3 | Urea-formaldehyde in aqueous dispersion suitable in combination with hardeners for the fabrication of flat and curved multilayer panels and for E05 articles. |
| DUROXILL 848 | UF powder | 5.000 [at 20°C, mixed with water] | RT | Not applicable | 0,65 | Urea-formaldehyde in self-hardening powder form suitable for the production of flat and curved multilayer panels. |
| DUROXILL 850 | UF powder | 7.000 [at 20°C, mixed with water] | RT | Not applicable | 0,65 | Urea-formaldehyde self-hardening powder suitable for the production of flat and curved multilayer panels. Suitable for the production of E1 products. |



3D Technology

| PRODUCT | BASE | VISCOSITY [mPas] @ TEMPERATURE [°C] | REACTIVATION TEMPERATURE [°C] | SOLIDS CONTENT [%] | PH | CHARACTERISTICS |
|-----------------------|------------------|-------------------------------------|-------------------------------|--------------------|-----|----------------------------------------------------------------|
| DUDIPUR D 12/1 | Dispersion PU 2K | 350 [at 20°C] | >60°C | 40 | 7 | Low-viscosity polyurethane dispersion for 3D thermoforming. |
| DUDIPUR D 12/4 | Dispersion PU 2K | 1.100 [at 20°C] | >60°C | 40 | 7 | Medium viscosity polyurethane dispersion for 3D thermoforming. |
| DUDIPUR D 12/6 | Dispersion PU 2K | 2.000 [at 20°C] | >60°C | 40 | 7 | High viscosity polyurethane dispersion for 3D thermoforming. |
| DUDIPUR D 51 | Dispersion PU 1K | 1.850 [at 20°C] | >60°C | 40 | 7,5 | Mono-component polyurethane dispersion. |

Solid wood

| PRODUCT | BASE | VISCOSITY [mPas] @ TEMPERATURE [°C] | APPLICATION TEMPERATURE [°C] | OPEN TIME [min] | DENSITY [g/cm ³] | CHARACTERISTICS |
|----------------------|---------------|-------------------------------------|------------------------------|-----------------|------------------------------|---------------------------------------------------------------------------------------------------------------------|
| DUDIVIL NP6 | PVAc | 15.000 [at 20°C] | RT | 7 | 1,1 | Vinyl dispersion for finishing and assembly. |
| DUDIVIL E14 | PVAc | 15.000 [at 20°C] | RT | 20 | 1,1 | D3 vinyl dispersion characterised by a long open time and non-acidic pH. Suitable for gluing various types of wood. |
| DUDIVIL VR 21 | PVAc | 15.000 [at 20°C] | RT | 10 | 1,1 | One-component D4 vinyl dispersion. Suitable for the manufacture of products with high water resistance. |
| DUDIPUR 140 | PUR liquid 1K | 0 [at 25°C] | RT | 20 | 1,1 | D4 liquid polyurethane characterised by high grip and excellent adhesion even on materials other than wood. |

High frequency

| PRODUCT | BASE | VISCOSITY [mPas] @ TEMPERATURE [°C] | APPLICATION TEMPERATURE [°C] | GEL TIME (s, 100°C) | DENSITY [g/cm ³] | CHARACTERISTICS |
|---------------------|--------------|-------------------------------------|------------------------------|--------------------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DUROXILL 848 | UF powder | 5.000 [at 20°C, mixed with water] | RT | 32-38 | 1,3 | Urea-formaldehyde in aqueous dispersion suitable in combination with hardeners for the production of flat and curved multilayer panels and for E05 products. |
| DUROXILL 850 | UF powder | 7.000 [at 20°C, mixed with water] | RT | 48-52 | 0,65 | Urea-formaldehyde self-hardening powder suitable for the production of flat and curved multilayer panels. |
| DUROXILL 508 | UF liquid 2K | 2.000 [at 20°C] | RT | Variable depending on hardener | 0,65 | Urea-formaldehyde self-hardening powder suitable for the production of flat and curved multilayer panels. Suitable for the production of E1 products. |



Auxiliares

| PRODUCT | TYPE | APPEARANCE | COLOUR | APPLICATION TEMPERATURE [°C] | BASE | CHARACTERISTICS |
|-------------------------|----------|------------|------------|------------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DUDICLEAN B | Cleaner | Powder | White | 100-140 | Organic salt | Dudiclean B is suitable for cleaning rollers in polyurethane hot melt lines. Suitable for metal and rubber rollers. |
| DUDICLEAN C | Cleaner | Liquid | Trasparent | RT | Terpene solvent | Dudiclean C is suitable for cleaning metal components from carbon residues of glue. |
| DUDICLEAN G | Cleaner | Solid | Red | 100-160 | EVA | Dudiclean G can be used for cleaning fusion systems, pipes, coating heads and glue pots. Available in both granules and cartridges. |
| DUDICLEAN L | Cleaner | Liquid | Trasparent | 100-140 | Ester | Dudiclean L is suitable for cleaning rollers in polyurethane hotmelt laminating lines and for cleaning metal parts soiled with polyurethane residues. |
| DUDICLEAN L PLUS | Cleaner | Liquid | Trasparent | 100-140 | Ester | Dudiclean L is suitable for cleaning rollers in polyurethane hot melt laminating lines and for cleaning metal parts soiled with polyurethane residues. High boiling point. |
| VILDUR L100 | Hardener | Liquid | Brown | RT | Isocyanate | Hardener for vinyl D3 |
| VILDUR L202 | Hardener | Liquid | Trasparent | RT | Isocyanate | Hardener for 2K polyurethane dispersions. |





Visit our website at the woodworking section.





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