



FABRICATION MANUAL

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PRISTOVA
P R I S T I N E I N N O V A T I O N

100% SILICA FREE

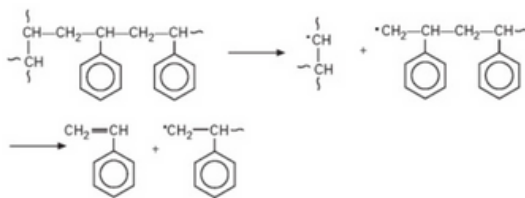
Prior to undertaking any activities involving Pristova and Pristova Adhesive, it is mandatory to review this document thoroughly and adhere to the specified procedures.

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Composition & Properties of Pristova Surfaces

Polyester Resin (10-20%)

Unsaturated polyester resins are primarily utilised in fiber-reinforced plastics (FRP). Known for their superior tensile strength, flexibility, impact resistance, and exceptional heat and corrosion resistance, these resins are ideal for structural applications in housing, construction materials, and transportation equipment.



Acrylic Resin (Approximately 15%)

Acrylic resin is a thermoplastic material that can be repeatedly heated and reshaped. Formulated by combining acrylic polymers, dry powders, methyl methacrylate monomers, and a hardening agent, this resin provides versatility during fabrication and installation. Unlike epoxy resins, acrylic resin can be reheated for further shaping and customisation.

Hydrated Alumina Compounds (80-90% Combined)

- **Hydrated Alumina:** Widely utilized as a fire-retardant filler, hydrated alumina is essential for applications involving polymer composites, cable compounds, and solid surface countertops. Its properties significantly enhance the material's resistance to heat and flame.
- **Aluminium Hydroxide:** This compound serves effectively as a fire-retardant filler in polymer applications due to its transparency, affordability, and excellent fire-retardant capabilities.
- **Aluminium Trihydroxide (ATH):** A cost-effective, inert, and odorless filler powder that improves the physical characteristics of casting resins such as polyurethane, epoxy, and polyester. ATH helps in reducing shrinkage, adding weight, and enhancing fire resistance.

Fillers and Pigments (1-2%) Specifically selected fillers and pigments are incorporated to create Pristova's unique and appealing color range, ensuring surfaces possess both aesthetic beauty and consistent visual quality.

Product Features & Specifications

Pristova is engineered as a superior product, making Pristova ideal for commercial and domestic applications.

Heat Resistance: Like most surfaces Pristova will expand and contract under any heat conditions. It is always recommended to use a protective surface between Pristova and the heat source.

Stain Resistance: With advanced non-porous technology, Pristova surfaces resist staining from most common household products commonly used in the kitchen, bathroom and laundry.

UV Stability: Pristova materials are not designed for prolonged exposure to direct sunlight or outdoor conditions. Continuous outdoor use may compromise the material's integrity and appearance.

Durability: Constructed for durability, Pristova like most working surfaces require care and maintenance. The main features are that it can be repolished and repaired to give it that seamless look.

Ease of Cleaning: The non-porous nature of Pristova surfaces allows for easy cleaning with standard household cleaners without the risk of damage.

Hygienic: The seamless, non-porous surface of Pristova doesn't require sealing like some of the high end products available today. its seamless surface helps prevent bacteria and mould growth, promoting a cleaner and healthier environment.

Repairability: Minor scratches or damages can be easily repaired on-site using fine sandpaper and polish, restoring the original appearance effectively.

Aesthetics: Pristova offers a modern look with a smooth soft feel that is durable, which makes Pristova superior to other competitors in the market. Making it a practical and more affordable choice for modern living spaces.

Slab Dimensions and weight:

3200mm x 1600mm | Slab Thickness: 20mm

Slab Weight: 230.4kg | Weight per Square Metre: 45kg.

Maintenance & Care of Pristova

1. Avoid Harsh Chemicals

Utilise gentle cleaning agents to maintain the integrity of your Pristova worktops. Refrain from using bleach, acidic cleaners, silicone-based sprays, and abrasive solutions as these substances can severely damage the surface. Products like nail polish remover or paint thinner should also be avoided to prevent any stains to the finish.

2. Gentle Cleaning Practices

Harsh scrubbing materials can scratch and degrade the surface of your worktops. Avoid using abrasive cloths or pads such as steel wool, which can cause scuffmarks and other surface damage over time. Opt for soft cloths and non-abrasive sponges to keep your benchtops in pristine condition.

3. Protect from Cuts and Knives

Pristova like most materials are not designed to withstand direct cutting. To preserve the finish and functionality of your benchtops, always use chopping boards instead of cutting directly on the surface.

4. Manage Heat Exposure

Extreme heat can damage your worktops leading to discoloration and compromised structural integrity. Always use trivets ,cutting boards or heat pads when placing hot items like pans or baking dishes on your benchtops to avoid direct heat contact.



Storage of Slabs & Use of Adhesives

Storage and Handling of Slabs

- When storing Prestova slabs, ensure they are kept in an area to avoid exposure to direct sunlight.
- Vertical storage is recommended at all times.
- It is not recommended to store horizontally for long periods of time, Ensure the pieces are well supported equally on a level surface. Supports no more than 500mm apart.
- The slabs should retain their protective plastic and packaging film to safeguard the surfaces during storage.

Storage and Use of Adhesives

Prestova adhesives also require careful storage and usage conditions.

- Keep the adhesives in a dry, cool area, shielded from direct sunlight.

- Storing adhesives at temperatures between 10-20 degrees Celsius is ideal and helps extend their shelf life to up to 24 months.
- It is recommended to work in a well ventilated area
- Wear protective gloves and a mask is recommended.
- Make sure your piece is sitting on a flat surface. Insure edges that are to be glued are cleaned with a non oil based cleaner such as methylated spirits or similar. clean with a white rag if possible with no lint or colouring that can stain while cleaning
- Prepare your working area effectively, it is recommended to do a dry run first to insure all mating surfaces are clean and sit flat and surfaces flat this it to minimise the gluing time to insure a good bond.
- When starting your gluing process be sure to dispense the first bit of glue on to a waste surface. to insure a good mix has been dispensed before starting.



Handling Instructions

Equipment:

Pristova weighs 45kg per square meter. Insure you have the correct lifting equipment . Vertical trolleys and racks at a height of approximately 300mm of the ground to minimize bending. Always bend at the knees.

Manual Handling:

Manual handling is necessary, use proper personal protective equipment and support. Insure pieces are carried vertical as much as possible. Cut outs need extra care and an extra person to support the cut out area. During installing process, pieces with cut-outs need to be kept as vertical as possible, lay against cabinets before laying flat on the cabinets then slide into position.

Care:

Avoid dragging slabs across rough surfaces to prevent edge damage. Leave as much protective films and packaging until trades are complete.

Material Safety & Handling Guidelines

We ensure that the safety of everyone involved with handling and fabricating our products, is paramount. This section provides comprehensive guidelines on the safe handling of our materials, emphasising the importance of adhering to established safety protocols.

Safety Protocols

Personal Protective Equipment (PPE): Handlers and fabricators must wear approved PPE, including safety goggles, gloves, and masks to protect against particles and chemicals during manufacturing processes.

Handling Instructions: Use mechanical aids such as cranes and suction lifters to move large or heavy materials. Ensure that all materials are stored in a stable position to prevent sliding or toppling.

Emergency Procedures: Clear and actionable steps are provided for managing spills, exposures, and injuries. Emergency contact information is readily available for immediate response.

Best Practices

- Regularly train staff on the latest safety protocols.
- Perform routine audits of material handling and storage areas.
- Keep material safety data sheets (MSDS) updated and accessible.



Product & Supply Chain Management

Pristova supply chain is designed to ensure the seamless delivery of high-quality materials to our clients, maintaining efficiency and sustainability from sourcing to delivery.

Supply Chain Strategy

- **Supplier Selection:** We partner direct with suppliers who uphold our high standards of quality and ethical practices.
- **Inventory Management:** Sophisticated systems are in place to forecast demand and track inventory levels, ensuring timely fulfilment of orders.

Quality Control Each batch of materials is subjected to stringent testing to verify quality and durability. Compliance with international standards is guaranteed.

Logistics and Distribution

- Optimised routing and scheduling to reduce waste and minimise cycle times and costs.
- Constantly working on the use of environmentally friendly packaging and shipping methods.

Claims & Warranty

Reporting:

Any claims for faulty or damaged goods must be submitted within 48 hours of product receipt. Photos and emails

Coverage:

Warranty does not cover damage resulting from improper storage or handling.

Following these guidelines will ensure that your Pristova products maintain their aesthetic appeal and functional integrity. Always consult this handbook before fabricating or installing Pristova materials.



Environmental & Health Regulations

Compliance

Pristova is committed to exceeding environmental and health regulation standards. We engage in practices that ensure the Health and safety of our clients, employees, and the ecosystems we impact.

Sustainable Practices

- Use of recycled materials in our products and packaging.
- Implementation of energy-efficient manufacturing processes.

Health and Safety

- Continuous monitoring of the work environment to adhere to occupational health and safety standards.
- Regular training on health and safety practices for all employees.

Regulatory Engagement

- Active participation in shaping industry regulations.
- Regular updates to practices based on new research and regulatory changes.

Financial & Payment Terms

Payment Policies Our payment terms are designed to be transparent and fair, supporting smooth financial transactions.

Invoicing: Clear and detailed invoices are issued to ensure all charges are understood.

Payment Terms: Standard payment terms include a 30% deposit with order placement and the balance due prior to shipment.

Extended Terms: Available to qualifying partners to facilitate larger projects and long-term collaborations.

Financial Integrity

- Adherence to the highest standards of accounting and financial reporting.
- Regular audits to ensure compliance with financial regulations.

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Pristova has partnered up with
AMS as a preferred fabricator.