



PearlBond™

Durable and strong bond,
every time and in any place.

Versatile PU-based adhesive solutions customised
to meet your specific needs

Expert ongoing technical support

Backed by an agile, experienced R&D Team

The Future Is Polyurethane

Strong and efficient adhesive

Compatible with recycled granules or other substrates

Expert technical support for when you need help

When compared to rubber and thermoplastic materials, polyurethane-based adhesives can provide a more cost-effective solution suitable for moulding and processing equipment when formulated accordingly. This is exactly where PearlBond™ adhesives can help you.

With a broad range of effective mechanical properties, PearlBond™ adhesive systems also provide a seemingly limitless number of application possibilities. Pearl Polyurethane can develop an appropriate formulation for your application to meet your business needs.

Features

- Good mechanical properties
- Excellent abrasion resistance
- Less maintenance required
- Good tear strength
- Excellent long-term elasticity
- Excellent resiliency
- Lower binder-to-SBR-ratio

PearlBond™



Binders for running tracks, children's playground mats, garden tiles, and many other applications or outdoor use cases



Panel lamination adhesives providing comprehensive lamination



Binder for Rebonded Foam



Stone Binders



Moisture-Curing Binders for Marine Applications



Wood binders for a broad range of use



Binders

Compatible with a wide range of substrates, including recycled granules

From running tracks, playground mats, to garden tiles, Rebonded Foam, and even Marine applications, PearlBond™ binder is suitable for most applications and outdoor use cases in any climatic conditions.

As the preferred alternative to TDI based binders, the PearlBond™ product portfolio can easily be customised for a diverse range of applications.

Whether it is rubber, cork, stone, flexible foam, PU, or rebonded granules, these can be combined with the PearlBond™ PU-based binder to create a whole new range of value-added products out of previously discarded resources.

The range of product options is seemingly limitless - products that dampen noise and vibration or products that offer improved comfort, slip resistance, or shock absorption, depending on their intended use.

With properties ranging from soft to semi rigid to hard, PearlBond™ binder offers durable solutions for a variety of applications, from running tracks to garden tiles and playground mats.

Insulated sandwich panel adhesives

In addition to its superior properties as a two-component-adhesive in PU-based insulation sandwich panel production, PearlBond is also an ideal one-component binder for non-PU based insulated sandwich panel manufacturing, such as rockwool and polystyrene, providing best-in-class adhesion. Ask our experienced team for further details.





Flexible packaging lamination adhesives

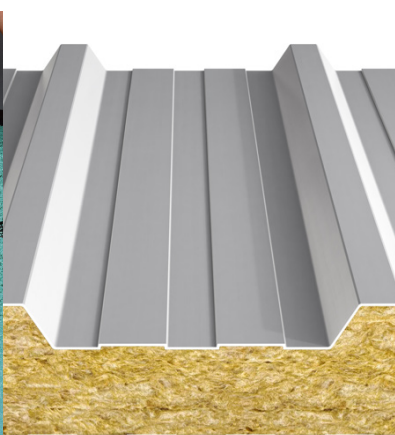
Providing a range of customised solvent-free & solvent based lamination adhesive solutions for the flexible packaging industry

- Full range of flexible packaging lamination options adapted to individual client needs
- Suitable food and pet food packaging to provide safe and sustainable packaging protection
- Suitable for non-food applications such as wet wipes, Pharma, industrial blister packaging, medical & sterile packaging, cosmetics and other technical lamination applications
- On-going technical support provided by our experienced R&D team

Wood Binders

Our customisable PearlBond product enables you to produce durable and best-in-class composite wood products

- Ideal as a resin for the production of oriented strand board (OSB), particleboard (PB), medium density fibreboard (MDF), and wood fibre insulation (WFI)
- Superior durability and mechanical strength, as well as moisture resistance and dimensional stability in OSB production
- Numerous production benefits enabling increased output, reduced blender maintenance costs while lowering dryer energy requirements
- Tailor-made solutions provided by our R&D team to improve your product performance and profitability



Product	Remarks
Rubber Binder	Standard rubber binder for moulded cylinders, and mats.
Rubber Binder	Standard rubber binder for moulded parts (rubber tiles or cobblestones).
Rubber Binder	Standard rubber binder for outdoor applications, small sport surfaces or playgrounds. Very flexible and soft binder with low reactivity and long pot life. Also a standard prepolymer for Spray Elastomers.
Foam Binder	Rebonded foam binder for hot steam curing process.
Foam Binder	Rebonded foam binder for moisture curing process.
Stone/Mineral/Ceramics/Binder	Permeable stone binder for pedestrian and bicycles ways, decorative landscaping.
Rubber Binder/Aliphatic	UV stabilized version of self-levelling rubber binder system for EPDM granules.
Sandwich Adhesive (Thin Bed Foam)	Composite panel adhesive with adjustable reactivity range. Continuous metal, Rockwool, and EPS panels.
Marine Adhesive	1K marine adhesive.
1K Primer	1K concrete and steel surface primer.
Wood Binder	Resin for oriented strand board (OSB), particle board (PB), medium-density fibreboard (MDF), and wood fibre insulation (WFI).
Flexible Lamination Adhesive	Solvent-based and solvent-free lamination adhesive for food and non-food flexible packaging solutions.

Product Name

PearlBond™

Other product information



Produced according to ISO 9001, ISO 14001 and ISO 45001 standards
 Pearl Polyurethane Systems is an ISCC certified company



About us

Pearl Polyurethane Systems is an award-winning, international system house and polyurethane solutions innovator, servicing a wide range of clients globally.

We provide sustainable and durable polyurethane-based solutions for a broad range of clients both regionally and internationally from our global headquarters in Dubai, United Arab Emirates.



**Your award-winning polyurethane
solutions partner**

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