



Solutions through Innovation

Challenging the way things are done, CoBond Material Solutions is delivering cost-effective products and solutions to overcome excessive wear while reducing downtime and increasing productivity.

Some of the innovative products and solutions that we produce include: fast curing conveyor belt repair kits, proprietary bonded high density ceramic wear plate liners, advanced light weight composite structures, specialist adhesives and sealants, protective coatings and polyurethane castings which can be FRAS compliant.

CoBond Material Solutions Product Range

Adhesives and Sealants

We manufacture our own adhesives, which provide a superior bond between two substrates.

Funky Glue is a single part all-purpose adhesive for bonding masonry, rubber, timber and steel. It provides superior strength and flexibility.

Grip Tight is a two-part polymer adhesive used for bonding ceramics to steel. It not only provides a superior bond, it also eliminates vibration and shock and has sound deadening properties.

Total Bond is a two-part all-purpose polyurethane adhesive used for bonding steel, aluminium, glass, composites or plastics and other polymers. This is used when excellent bond strength is required but it is inconvenient to treat one or both substrates with a primer.

We also manufacture our own range of **sealants** to protect concrete, timber and fabric conveyor belts from surface damage, corrosion, moisture penetration and staining.

Protective Coatings

Our advanced polyurethane protective coatings have been specifically developed for each application and substrate to provide superior surface substrate protection including high tear and impact resistance, anti-friction, UV stability, chemical resistance or corrosion protection.

PC Spray is an advanced protective 100% solids polyurethane coating.

PC Trowelable is a two-part trowelable polyurethane coating with 80A shore hardness. It can be applied to vertical and horizontal surfaces up to 20mm thick without falling off or slumping.

PC Advanced is a trowelable coating embedded with high wearing silicon carbide ceramic.

Applications – concrete flooring, vibratory screens and feeders, water and wastewater tanks and pipes, rail wagons, concrete trucks, pulleys, marine vessels, structural materials and mineral processing tanks.

Polyurethane Castings

We manufacture cast polyurethane (including FRAS compliant) components and parts that provide a cost effective alternative for many industrial applications.

Cast polyurethane components and parts are typically used for their high performance properties such as abrasion resistance, chemical resistance, impact resistance, tear resistance and load bearing capabilities.

PC Potting kit is a two-part compound with very high dielectric, thermal and sealing characteristics and is used for electronic potting, encapsulating and casting applications.

Applications – cast parts, wharf fenders, conveyor skirts, seals, valves, conveyor rollers, scraper blades, reclaimer bucket wheel liners, cyclone liners and chute liners.

CoBond Material Solutions Product Range

Conveyor Belt Repair Kits

Our conveyor belt repair kits provide a simple, fast curing and cost-effective solution to repairing a damaged or torn conveyor belt.

Our repair kits are a two part, 100% solids urethane compound for the rapid repair of rubber (fabric and steel cord) and PVC (solid woven) conveyor belts and linings.

- **Qik Fix Repair Kit** – 30 minute fast cure for very urgent repairs with minimal downtime.
- **Rapid Repair Kit** – 2 hour rapid cure repair kit for all types of repairs and belt types.
- **FRAS Repair Kit** – fast curing repair kit for use in underground mines.
- **Advanced Repair Kit (Trowelable)** – Extreme strength two-part trowelable repair kit for belts with high impact load applications.

Applications – spot and puncture repairs, hole repairs, skirt damage repairs, edge repairs, splice damage repairs and protecting mechanical fasteners.

Ceramic Wear Liners

Our ceramic wear liners are bonded using our proprietary bonding process that enables an engineering grade bond to be achieved. As a result the bonded ceramics provide superior wear life and impact resistance that reduces tile chipping, cracking or falling out.

Our wear plate liners comprise advanced ceramic tiles (either Alumina Oxide or Silicon Carbide), bonded in a high tensile strength polymer matrix to a steel backing plate.

Typically, ceramics will last up to five times longer than Ni-Hard steel and other similar applications.

Applications – transfer chutes, deflectors, impact chutes, bins, hoppers, skirt liners, stackers and reclaimers.

Advanced Composites

Industries can benefit enormously from the introduction or incorporation of advanced composites as alternative structures, products or components. We develop and manufacture our own range of composite products that are stronger and more durable. In addition to this, composites are light-weight, non conductive and corrosion resistant.

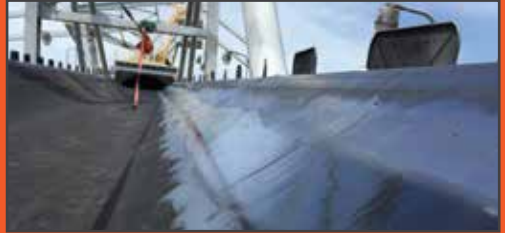
Applications – doors, hatches, walls, hand railings, lids, bins, walkways and tanks.

Products and Solutions

Below are just some examples where we have provided innovative solutions for our customers:



Grip Tight - a superior bond achieved between ceramics and steel for increased wear life



Conveyor belt skirt damage repaired.



PC Spray - Corrosion and wear protection to a vibratory screen



Cast Polyurethane - FRAS compliant chute liner


CoBond™
MATERIAL SOLUTIONS

Contact us

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