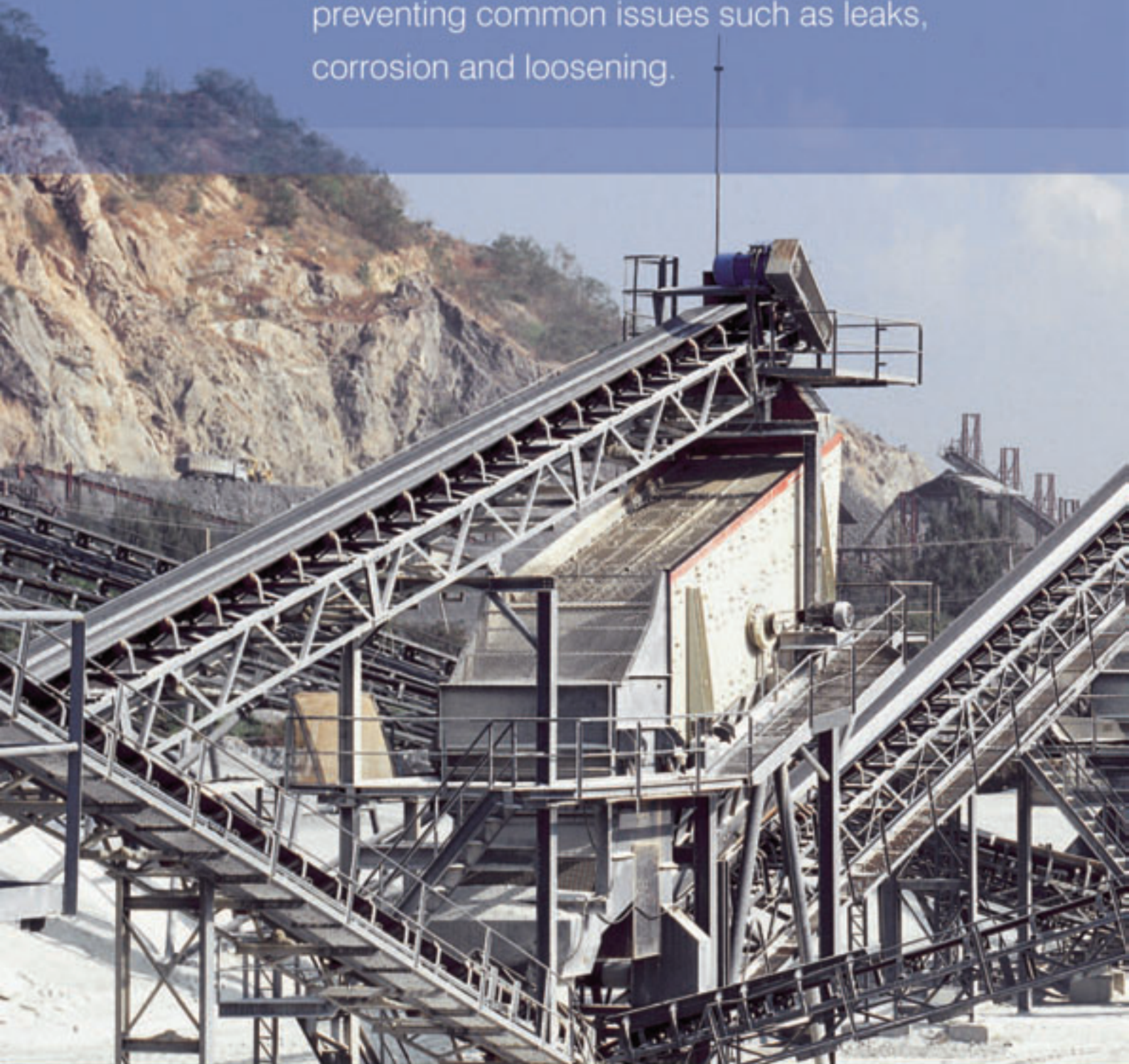


CRUSHER BACKING COMPONENTS

PROLONG THE LIFE OF MACHINERY • PROTECT AGAINST IMPACT AND SHOCK VIBRATIONS



ITW Korroflex is a global manufacturer and supplier of Korrobond epoxy and polyurethane crusher backing compounds and release agent. The specialist range of maintenance products can extend the life of crusher equipment by preventing common issues such as leaks, corrosion and loosening.



Korroflex is renowned in the quarry and mining industries for providing the highest quality crusher backing compounds. The Korrobond 65 and 90 products maintain cone-crushing machinery to an optimal level, ensuring peak performance and reliable solutions that;

- Prolong the life of the machinery whilst protecting against impact and shock vibrations
- Enhance productivity
- Offers maximum savings on labour
- Are easily applied by engineering personnel with minimal training
- Has a proven track record to perform in all types of cone crushers and climates

Customer Service

Korroflex is able to provide a rapid assessment of the customer's requirements via the dedicated European Technical Centre. Korroflex will work with you to provide you with the best solution.

Maintenance, Repair and Overhaul (MRO)

Korrobond is the premier brand for crusher backing compounds and is recommended for use with the leading cone-crusher manufacturers. Korrobond's overall quality is unrivalled in the industry for ensuring machinery runs as long as possible before replacing worn parts and has proven time and again to improve overall productivity in all climates.

Korroflex has partnered with sister ITW companies Devcon and Permatex to deliver a range of high performance maintenance products to the quarry and mining industries.

Worldwide Distribution

ITW Korroflex has a manufacturing facility in Shannon, Ireland, and has multiple distributors worldwide, ensuring availability and speed of delivery.

The Shannon site is certified with ISO 14001 environmental accreditation.



Korrobond Crusher Backing Compounds

Korrobond crusher backing compounds are two component products used as shock absorbing compounds in cone crushing machines. Extensively used within the quarrying and mining industries Korrobond has a worldwide reputation for reliability. Korrobond products are formulated to produce a low viscosity, tough and flexible backing. Korrobond serves as a backing and reinforcing layer between machine parts and as a damper when subjected to impact and shock loads.



Korrobond 65

Korrobond 65 is a two component epoxy based backing compound and damping material for stone crushers allowing a free flow into the smallest cavities and contours behind manganese steel plates

- Very high compressive strength
- 100% solids, no solvents, minimal shrinkage
- Long established OEM and after market proven product
- High impact strength and resilience



Korrobond 90

Korrobond 90 is a polyurethane based crusher backing product. It has been specially formulated to produce a tough flexible backing of low viscosity and is ideal for cold climates.

- Ideal for cold climatic conditions, no pre-heating required
- Pours in cold conditions (as low as 0°C)
- 100% solids, no solvents, minimal shrinkage
- Good compressive and flexural strength.
- Designed to have the same impact strength as white metal (i.e. 79.2 MPa)



Easy to apply - just mix and pour

Release Agent

The Release Agent may be applied to certain wear parts of the crusher prior to using Korrobond Crusher Backing. Korrobond release agent facilitates the easy removal of the crusher wear parts at the end of their working life.

- Long established OEM and aftermarket proven product
- Cost effective solution – saves time at re-metals

	Korrobond 65	Korrobond 90
System	Epoxy	Polyurethane
Product Code	81065	91000
Colour	Grey	Grey/Brown
Size	10kg	10kg
Application	Easy to mix & pour	Easy to mix & pour
Density (g/cm³) at 23°C	1.5	1.9
Cure Time (hours) at 23°C	8 – 10	8 – 10
Viscosity (cps) at 23°C	16,000	9,000
Pot Life (minutes)		
@ 20°C	15 – 20	20
@ 0°C	N/A	30
Compressive Strength (MPa)	> 117.2 (17,000 psi)	79.2 (11,500psi)



GENERAL REPAIR PRODUCTS

Devcon® Titanium Putty

High - Tech, titanium reinforced epoxy putty for making tough, non - rusting, abrasion and chemical resistant repairs.

Applications: To repair and build up areas in pump casings, impellers, hoppers, tanks cyclones etc. Re-lining worn bearings. Build up worn shafts.

Devcon® Wear Resistant Putty

Smooth, non - rusting, all purpose ceramic filled epoxy compound. Ideal for machinery requiring an abrasion and erosion resistant repair with high slip finish.

Applications: To repair and build up areas in pump casings, impellers, hoppers, tanks, cyclones etc. Re-lining worn bearings. Build up worn shafts.

Devcon® Plastic Steel® Putty (A)

Steel filled epoxy putty for repairing and rebuilding a variety of worn or damaged metal components.

Applications: Castings, pump casings, tanks and many other metals structures.

WEARING COMPOUNDS

Devcon® Microbead

A ceramic bead filled trowelable high performance compound engineered to give maximum abrasion resistance in areas conveying a variety of particles sizes. Excellent adhesion to metal, ceramic and concrete surfaces.

Applications: Repair to cyclones, worn pipe bends, elbows, chutes, and hoppers.

Devcon® Brushable Ceramic

A low viscosity, ceramic filled, brushable epoxy compound. Designed to provide a smooth protective barrier against wear, abrasion, corrosion, erosion and chemical attack.

Applications: For lining, re-lining and protecting pump casings and impellers.

Devcon® Wear Guard™ High Temperature

High-Temperature and high-density, ceramic bead-filled epoxy system for maximum wear and abrasion resistance in process equipment.

Applications: For use in many applications where Microbead, Plastic Steel and Titanium Putty would normally be used, but require a high temperature aspect.

FLEXANE – RUBBER REPAIR

Devcon® Flexane® General Purpose Putty

Easily trowelled for repairing, coating, moulding and lining equipment and components exposed to impact, abrasion, vibration and movement etc.

Applications: For repair to worn or damaged conveyor belts, repair to damaged rubber rollers, impellers, rubber lined tanks, chutes, screens etc (with the appropriate primer).

Devcon® Flexane® 80 Liquid

High - performance elastomeric urethane compound with excellent impact, wear and chemical resistance.

Applications: Can be applied to metal and rubber (with the appropriate primer) to form a protective lining in equipment subject to impact and wear. Rebuild Skimmers, repair edge damage, tears or gouges to conveyor belts.

FLOORING

Devcon® Floor Grip™

Heavy duty epoxy coating with silicon carbide granules for an exceptionally tough, non skid, non slip surface.

Applications: Non slip surface for steps, stairs, decks, runways, loading areas and ramps.

ACCESSORIES

Devcon® Flexane® primers

FL-10 for bonding to metal.
FL-20 for bonding to rubber, wood and concrete.

Devcon® Cleaner Blend 300

General-purpose degreaser.



THREADLOCKERS

Permatex® Medium Strength Threadlocker BLUE

General purpose. Ideal for all nut and bolt applications 6 mm to 20 mm. Eliminates need for stocking expensive lock nuts and lock washers. Locks and seals while preventing parts loosening due to vibration. Removable with hand tools for easy disassembly.

Permatex® High Strength Threadlocker RED

Ideal for heavy-duty applications, 10 mm to 25 mm. Ideal for permanently locking studs. Lock against vibration loosening. Easy to disassemble with heat and hand tools.

Permatex® Large Diameter Threadlocker RED

A high strength adhesive for locking and sealing large bolts and studs 25 mm or larger in diameter. Heat may be required to weaken bond before parts can be disassembled.

Permatex® Gel Twist™

Threadlocker Gels, in GEL TWIST™ applicators, providing "liquid quality" reliability without the drips, globs, mess or waste.



GASKETING PRODUCTS

Permatex® Ultra Black® Maximum Oil Resistance RTV Silicone Gasket Maker

Fast-curing formula. Sensor safe, low odour, noncorrosive. Retains high flexibility, oil resistance properties through use of a patented adhesion system. Temperature range -55°C to 260°C intermittent; resists common fluids and excessive vibration. Fills gaps of up to 6.5 mm when fully cured

Permatex® Ultra Blue® Multipurpose RTV Silicone Gasket Maker

Sensor-safe, low odour, noncorrosive. Outstanding oil resistance and joint movement values. Temperature range -55°C to 260°C intermittent; resists common fluids and excessive vibration.

Permatex® Anaerobic Gasket Maker

Anaerobic gasket makers are designed with gap-filling properties allowing them to cure in the absence of air, for use on aluminium, iron, and steel flanged mating surfaces.

RETAINING COMPOUNDS

Permatex® Close Fit Retaining Compound

A low viscosity, rapid curing anaerobic adhesive that augments the strength of press fit assemblies. Prevents fretting and corrosion. Up to 20 MPa holding power. Mil-Spec (R-46082B) Type I.

Permatex® Max Temperature/ Max Strength Retaining Compound

Maximum temperature (up to 230°C) anaerobic retaining adhesive for close fitting cylindrical joints. Provides excellent resistance after exposure to elevated temperatures.

Permatex® Worn Parts Retaining Compound

A creamy, non-running gel that can be applied onto cylindrical parts to fill surface imperfections and repair worn areas. It contains no metal, but once assembled, hardens to a strength that often doubles that of a press fit. Use to salvage worn metallic parts or to keep machinery running until new parts arrive. Product remaining outside the joint does not dry, allowing for easy clean up. Use to 150°C. Can bond cylindrical assemblies, particularly where gaps approach 0.50 mm.



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ITW Group Companies

