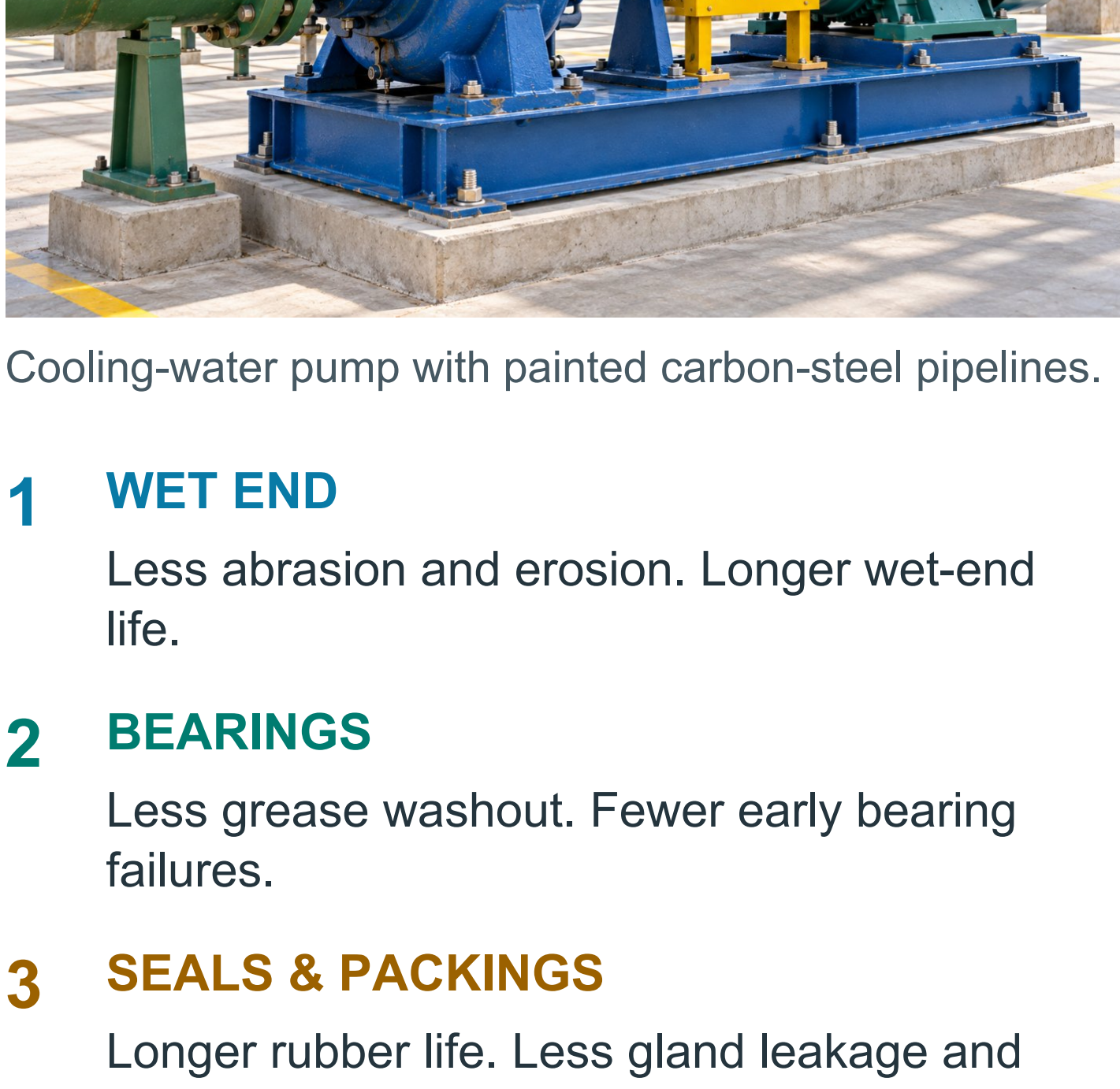


PUMP FAILURES STOP PLANTS.

COMPLETE PUMP MAINTENANCE

Four failure areas.
One Stanvac solution set.



Cooling-water pump with painted carbon-steel pipelines.

1 WET END

Less abrasion and erosion. Longer wet-end life.

2 BEARINGS

Less grease washout. Fewer early bearing failures.

3 SEALS & PACKINGS

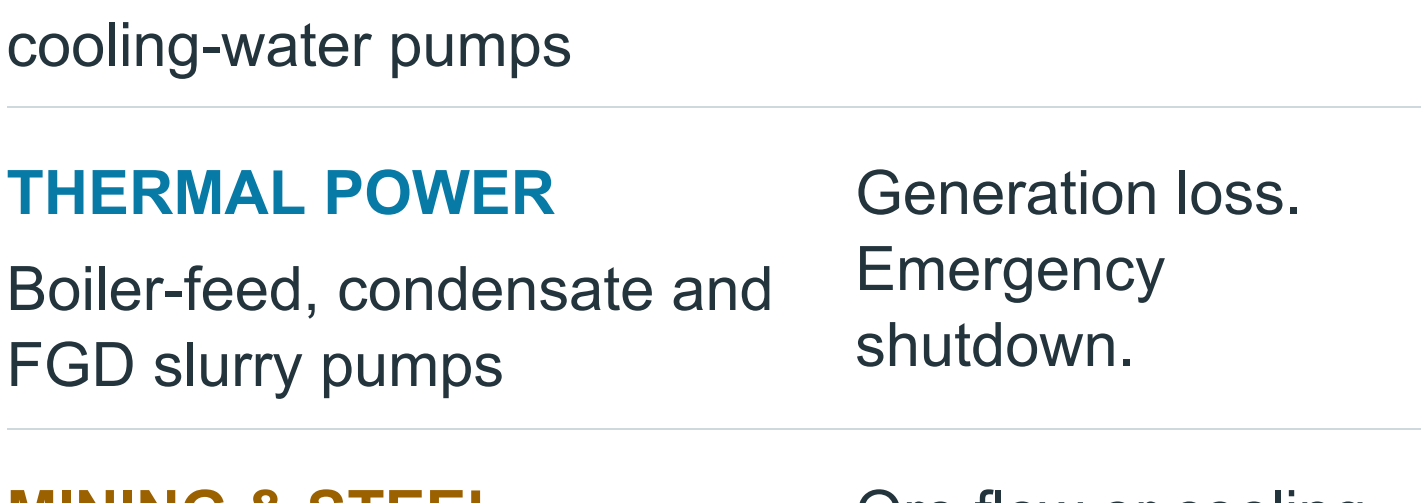
Longer rubber life. Less gland leakage and sleeve wear.

4 OUTER CASING

Treat trapped rust. Reduce repeat repainting.

FOUR AREAS TO PROTECT

1 Wet end



2 Bearing housing

4 Outer casing

3 Seal / packing

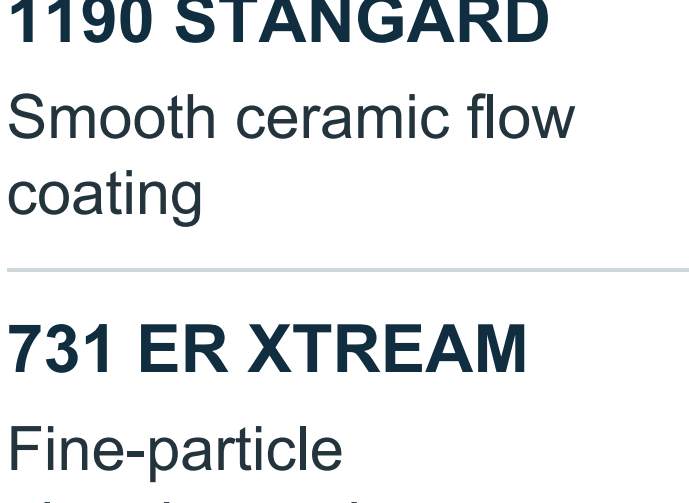
THE COST OF AN UNPLANNED STOP

PRODUCTION IS AT RISK.

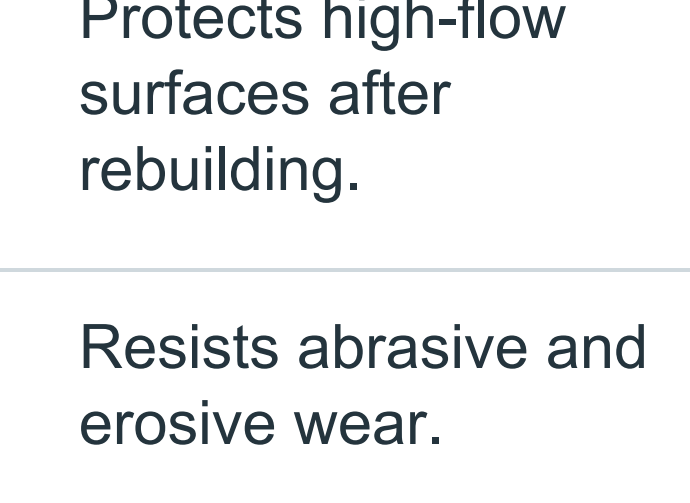
INDUSTRY / MAIN PUMPS	FAILURE COST
REFINERIES & PETROCHEMICALS Process, transfer and cooling-water pumps	Production stoppage. Hazardous leakage.
THERMAL POWER Boiler-feed, condensate and FGD slurry pumps	Generation loss. Emergency shutdown.
MINING & STEEL Slurry, cyclone-feed, dewatering and descaling pumps	Ore flow or cooling interrupted.
CHEMICALS & FERTILISERS Acid-transfer, recirculation and slurry pumps	Batch loss. Chemical leakage.
PULP & PAPER Stock, fan and black-liquor pumps	Paper machine stops.
WATER & ETP Raw-water, sewage and sludge pumps	Supply interrupted. Overflow or flooding.

1 / INTERNAL WET END

REPAIR WEAR. PROTECT THE FLOW PATH.



Rebuild worn metal



Protect the wet end

NMB TECHNOLOGY

Nano-Molecular Bonding

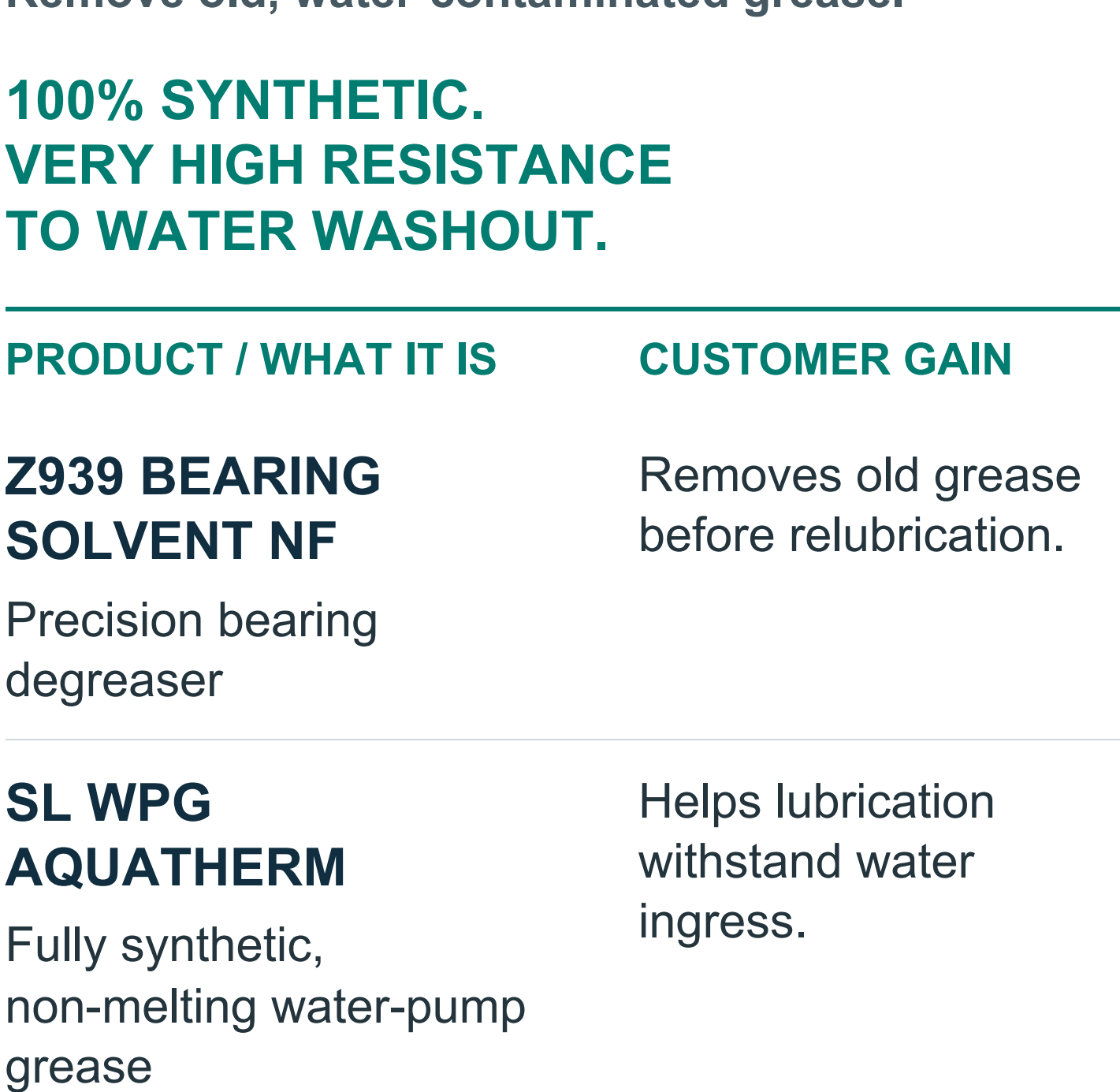
1170 bonds to ST 2 hand-cleaned steel. Remove grease, salts and loose material.

PRODUCT / WHAT IT IS	CUSTOMER GAIN
1170 STANGARD Ceramic-metal rebuilding putty	Rebuilds worn areas to extend casing life.
1190 STANGARD Smooth ceramic flow coating	Protects high-flow surfaces after rebuilding.
731 ER XTREAM Fine-particle abrasion-resistant putty	Resists abrasive and erosive wear.
1180 NMB Ceramic protective coating	An erosion/corrosion barrier for specified duties.

High-flow repair: 1170 + 1190.
731 or 1180: select for the specific duty.

2 / BEARINGS

KEEP GREASE IN PLACE.



Remove old, water-contaminated grease.

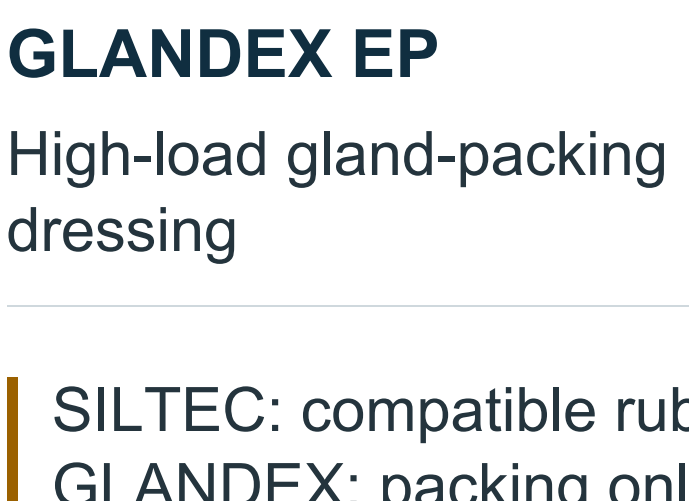
100% SYNTHETIC. VERY HIGH RESISTANCE TO WATER WASHOUT.

PRODUCT / WHAT IT IS	CUSTOMER GAIN
Z939 BEARING SOLVENT NF Precision bearing degreaser	Removes old grease before relubrication.
SL WPG AQUATHERM Fully synthetic, non-melting water-pump grease	Helps lubrication withstand water ingress.

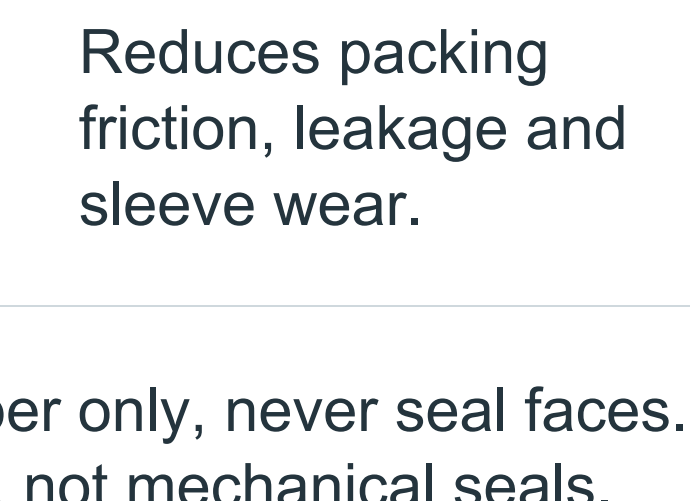
Grease-lubricated bearings only. Check speed, temperature and grease compatibility. Stop water entry.

3 / SEALS & PACKINGS

REDUCE LEAKAGE & WEAR.



Rubber seals / O-rings



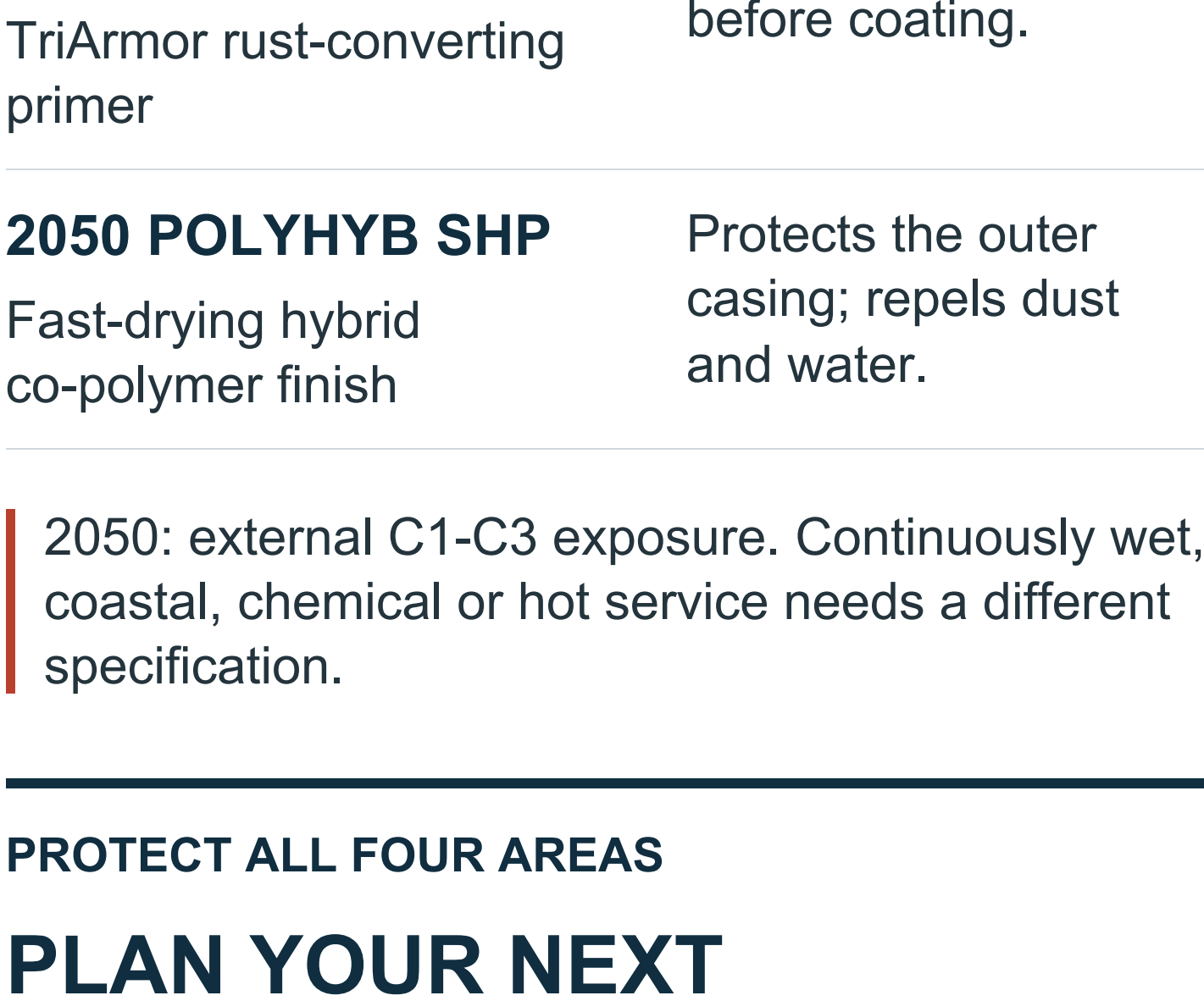
Gland packing

PRODUCT / WHAT IT IS	CUSTOMER GAIN
SILTEC HD Rubber seal and O-ring preservative	Helps compatible rubber seals last longer.
GLANDEX EP High-load gland-packing dressing	Reduces packing friction, leakage and sleeve wear.

SILTEC: compatible rubber only, never seal faces.
GLANDEX: packing only, not mechanical seals.

4 / EXTERNAL CASING

TREAT THE RUST. THEN PROTECT THE CASING.



Rust conversion before the protective finish.

Z704 RUSTEX-NMB + 2050 POLYHYB SHP

PRODUCT / WHAT IT IS	CUSTOMER GAIN
Z704 RUSTEX-NMB TriArmor rust-converting primer	Treats residual rust before coating.
2050 POLYHYB SHP Fast-drying hybrid co-polymer finish	Protects the outer casing; repels dust and water.

2050: external C1-C3 exposure. Continuously wet, coastal, chemical or hot service needs a different specification.

PROTECT ALL FOUR AREAS

PLAN YOUR NEXT PUMP REPAIR.

Send pump photos, liquid handled, temperature, speed and the present problem. Request a repair recommendation and quotation.

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