

# Stanvac®

*"Best in World"*



AEROSOLS



BULK CLEANERS



CONCRETE REPAIRS & PROTECTION



HIGHER LIFE  
SYNTHETIC GREASES



COLD REPAIRS



SUPERIOR ANTI CORROSION



LOW HEAT -  
REPAIR WELDING

## MECHANICAL & CIVIL MAINTENANCE SOLUTIONS 2026

INNOVATIVE TECHNOLOGIES | BEST IN WORLD PERFORMANCE



### 1. #6030 PEN OIL - SAVES TIME

**Fast, heavy duty penetration** - #6030 Pen Oil - **Best in World** rust penetration & re-opening.

Industrial-grade heavy-duty penetrating oil meeting U.S. Fed spec. No. VVP 216a. #6030 Pen Oil loosens rust and corrosion formed by alkali, acids, water, and electrolysis. Low surface tension allows the oil to migrate into tight spaces and along threaded fasteners.

#### KEY APPLICATION AREAS

- ★ Quick release-nuts, bolts, pipes, fittings, pumps, pulleys, battery cables, roller conveyors, hinges, and valves. Use on metals, alloys, rubber, and most painted surfaces—severely jammed assemblies as well as wherever time is of the essence

**Imp:** "If #6030 pen oil cannot open it, nothing can!"

### 2. #Z914 TOUGH CLEAN - FAST ACTION, NON-DRIP GASKET & PAINT STRIPPER

Unique user and environment-friendly non-drip formulation designed for **rapid and effective penetration and loosening of all kinds of bonded deposits and coatings** such as carbon, dirt, grime, paints, motor varnishes, gaskets, etc.

**Ultra-strong cleaning action** is combined with complete user and metal safety, does not have any detrimental effect on metal and other surfaces to be cleaned.

#### KEY APPLICATIONS AREA'S

- ★ Fast removal of old gaskets & packings .....
- ★ Cleaning of paint, varnishes carbon deposits from engine / compressor, cylinder heads, pistons, valves, bushes...



### 3. #Z939 BEARING SOLVENT NF - PENETRATES & CLEANS

**Precision penetrative degreasing** - #Z939 Bearing Solvent (NF) Co<sub>2</sub> sparkling cleanliness

Non-flammable, rapid-drying degreasing formulation with powerful flushing action. **Cleans instantly**, leaving sparkling metal surfaces for quick and efficient cleaning of grease, grime, dirt, tar, wax, old grease residues, and other contaminants.

#### KEY APPLICATION AREAS

- ★ High-discharge jet spray valve pin points a forceful pencil spray, ideal for cleaning and degreasing the **intricate parts of precision bearings**.
- ★ Removes dried, old grease - **Enhances bearing life**.

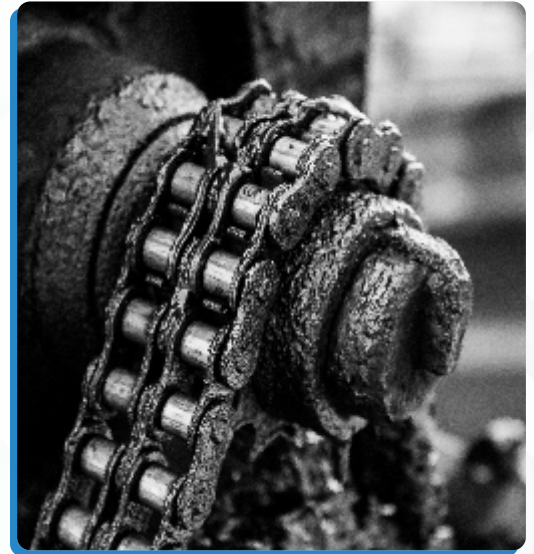
### 4. #8485 HD CLEANER & DEGREASER - "HIGH FLOW"

Heavy-duty citrus d-limonene based cleaner & degreaser with "high flow" system. 8485 HD cleaner & degreaser is ideal cleaner for thick, tough and dried lubricants where other standard in-use solutions do not serve the purpose.

- ★ High Flow system.
- ★ High surface wetting with controlled evaporation.
- ★ 360° Spray action for maximum convenience of use.
- ★ NF - CO2 propellant = 97% actives & higher safety.
- ★ Ozone-friendly formulation

#### KEY APPLICATION AREAS

- ★ Formulated for **in-place cleaning of all types of heavy thick /dry lube deposits** during use or for superior cleanup prior to lubrication



### 5. #7045 HEAVY DUTY OPEN GEAR & WIRE ROPE LUBE- PENETRATES & SEALS WIRE GAPS

A tough and pliable penetrative lubricant with extra adhesion properties for demanding applications. The dark color and foaming action ensures total uniform coverage - **prevents wire strand wear & snapping.**

#### KEY FEATURES

- ★ Unique foaming penetrative action & subsequent high tack-high adhesion build.
- ★ Weather & water washout resistant.
- ★ Moly & graphite fortified.
- ★ Lubricates as well as prevents corrosion for long intervals **will not allow water ingress & internal rusting.**

#### KEY APPLICATION AREAS

- ★ Wire ropes, open gears drives, chains, die set leader pins, lead screws, tool chucks ...
- ★ Excellent for water-wash out & outdoor applications where both lubrication & anti corrosion are desired.

### 6. #90451 ADHESIVE CHAIN LUBE - PREVENTS CHAIN JAMMING

Provides **internal + external chain lubrication.** Protects against friction, wear, humidity, salt spray, chemical vapors, and water damage.

#### KEY FEATURES

- ★ Fortified with organo-moly metal compound technology - improves load carrying characteristics, lowers friction, reduces surface roughness, minimises wear, reduces temperature, stabilises oil film ...
- ★ **Penetrative extreme adhesion** - will not get thrown - off even at high speeds. resistant to water, seawater, hot water, steam ... protects against corrosion.

#### KEY APPLICATIONS AREA'S

Internal & external lubrication of roller chains ... Even those operating underwater, exposed to steam & in dusty & dirty atmospheres. Fork lifts, slideways & guideways, column guides... Even under water and in dusty conditions.



### 7. #6013 FORMULA 101 CORROSION SUPPRESSANT- 5 TO 10 YEARS PROTECTION

India's longest term, waxy film, penetrative, low surface tension, self-repairing, solvent removable, heavy duty anti corrosion coating.

#### KEY FEATURES

- ★ Passes 1000 hours salt spray testing
- ★ Penetrates & seals
- ★ Self healing

#### KEY SPECIFICATION

5% Salt Spray Test	Acid Resistance	Weather Resistance	Protection Life
1000 Hrs+	Good against both HCl & H <sub>2</sub> SO <sub>4</sub>	Excellent	Indoor storage: 10 yrs+ Outdoor storage: 5 yrs+

#### KEY APPLICATIONS AREA'S

**Spares**, molds, dies, export shipments, machines during erection & commissioning, **marine installations**, high humidity under ground railway & mining installations...



### 8. #6080 DRY MOLY SPRAY- ASSEMBLY LUBE

For pressures up to 100,000 psi & temperatures from -100°f to +700°f. **Quick drying plus "tight" adhesion**

#### FOCUS AREAS:

- ★ Dry lubrication- best for dusty areas
- ★ **Assembly & run-in lubrication**- reduces wear and galling.
- ★ Anti-corrosion coating- very effective against both acidic and alkaline media.
- ★ Gasket coating - prevents seizure
- ★ Electrical- dielectric lubrication

### 9. #6007 RUST INHIBITOR- LUBE COMPATIBLE

**Provides rust and corrosion barrier for short or long-term indoor storage.** Easy application and removal - not required.

**Benefits:** Product penetrates cracks to assure complete protection. This natural lubricant, fortified lanolin, absorbs up to 5 times its own weight in water, setting up a protective barrier for long lasting rust protection. Can be sprayed on moving parts or machined surfaces. **Lubricants can be applied over rust inhibitor without reducing their effectiveness.**

Useful to protect bearings, precision spares... **indoor storage >5 years.**





### 1. #Z101 ALPHA 3 - GENERAL USE

**Concentrated heavy-duty aqueous cleaner – neutral in use**

Alpha 3 is a unique general-purpose cleaner for removing grease, oil, and other factory soils. Recommended for cleaning **equipment**, machinery, parts, **industrial floors**, epoxy flooring, antistatic flooring, etc.

#### APPLICATIONS

To remove light soils, dilute one part with 100 parts of water. For medium soils, dilute one part with 30 parts of water. For heavy soils, dilute one part with 5 parts of water. Mix only with water.

### 2. #Z101 (A) ALPHA 5 - ANTI RUST

**Heavy duty rust inhibited aqueous cleaner (with moderate foam)**

Unique rust inhibited water based cleaner for removing grease, oil and other soils.

- ★ **Near neutral** - safe on all washable surfaces
- ★ Unique surfactant system - rapidly floats away soils
- ★ **Having rust inhibition mechanism**- leaves dry transparent thin film and provide short-term rust prevention for ferrous surfaces
- ★ Highly dilute-able (1:30 to 1:100) - low use cost
- ★ No flash point – user safe.
- ★ Biodegradable - environmentally sound

#### APPLICATIONS

Rust inhibited cleaner, neutral in use dilution, safe on all washable surfaces, ideal for **degreasing ferrous surfaces**. Can be applied with spray, dip-tank, and by manual mop/brush/scrubber.



### 3. #Z102 CLEANAIRE 1200 - PAINT SAFE

**Paint & aluminium safe aqueous cleaner**

#Z102 Cleanaire 1200 is an environmentally preferable paint & aluminum safe general cleaner for the removal of oil, grease and other industrial soils from machinery, manufactured parts, walls and floors.

Recommended for removing road soils from **Heavy machinery & AC coils & fins**. Will not attack or dull paint or etch aluminium.

- ★ Unique surfactant system - floats soils away
- ★ High foaming - reduces labor
- ★ **Inhibited - soft metal safe**
- ★ No butyl, phosphate, caustic and fully biodegradable - environmentally sound
- ★ Effective in high dilution - economical
- ★ Free rinsing - no filming
- ★ **Safe on paint and plastics** - no paint deterioration





### 4. #Z109 NEUGENIC- 4175- THICK HEAVY DEPOSITS

**Low odor, no flash point, biodegradable heavy duty cleaner especially for open gears & heavy machinery.**

#Z109 neugenic 4175 is a non - petroleum, non- terpene semi -aqueous cleaner recommended for removing **solidified oil, grease, cardium compound, tar, adhesives** and asphalt. Used as a coarse spray, or in a hot or cold dip tank. Apply as a concentrate for a rapid removal of heavy soils, or diluted with up to 30 parts for light soil removal. Continuous agitation required for diluted solutions.

#### APPLICATIONS

Recommended for removing oils, greases, tars, asphalts, cardium compounds adhesives, resilient tile mastic, solid animal and vegetable fats and oils from most surfaces. Test before using on rubber, plastics, vinyl tiles or similar surfaces.

### 5(A). #Z 111 AC- 500 GEL GRADE- FAST RUST CLEANING

**Non fuming, inhibited acid rust cleaner in gel form.**

A unique blend of phosphoric acid and detergents **in easy to hand apply gel form**, for the rapid removal of **rust, oxidation and stains** from ferric metals, concrete, ceramic tile and painted surfaces. Apply, wait 10-60 minutes & wash off. Re-apply if needed.

#### APPLICATIONS

**Spare parts, machinery, equipment bodies..**

**NB:** Also available water dilutable **Dip Grade.**



### 5(B). #Z704 RUSTEX – BULK & #2040 (A) RUST SEALER - PREVENT RUST CREEPAGE

**Rust converter cum primer. Unique 200 hours salt spray resistance, post conversion.**

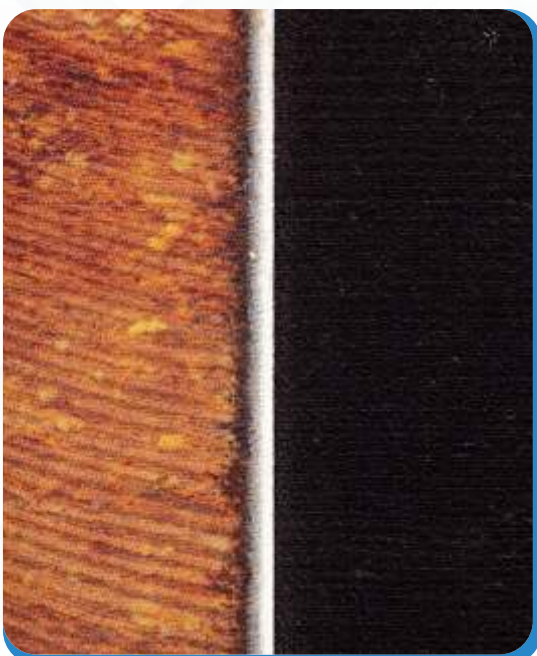
Fast application, rust converter, converts rust into a polymer protected organo-metallic complex.

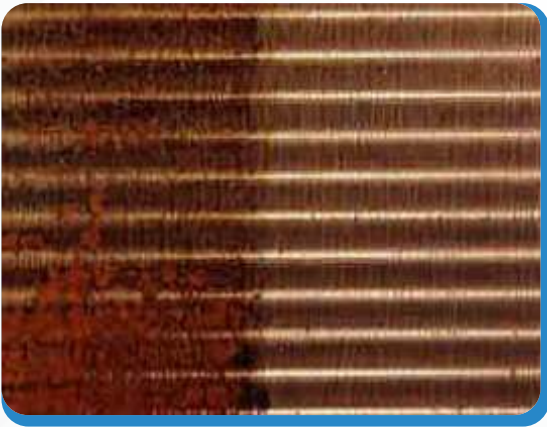
**Preventing further rust creepage and also preparing the surface for the application of paints & protective coatings.** Can be used on all ferrous metals.

Significantly enhances life of severely corroded metallic surfaces as well as the protective life span of paint & protective coatings.

#### APPLICATIONS

Rusted/ corroded industrial/ marine equipments, boilers, **pump casings**, valves, **pipelines**, storage tanks, cooling towers, oil filled electric transformers, threaded assemblies, **spares & accessories stored outside.**





### 6. #Z112 ACIDIFOAM - ALUMINIUM, COPPER & SKIN SAFE

**Foaming complexed "safe" mineral acid cleaner.**

A concentrated, hydrochloric acid salt cleaner. It successfully **removes scale, rust** and many other acid susceptible soils found in food processing operations. Is hard water tolerant, free - rinsing and safe for use on **aluminium, copper, stainless steel or mild steel at room temperature.**

Is more aggressive in its action than phosphoric acid for most applications, but its chemicals nature eliminates the characteristic acrid fumes associated with hydrochloric acid and dramatically reduces its corrosivity towards human skin. **This makes it a particularly effective, yet relatively safe product to handle and use.**

#### BENEFITS

- ★ **Retains most of the beneficial features of hydrochloric acid but without any of the characteristic acrid fumes** and, therefore, pleasant to handle.
- ★ **Non - aggressive to the skin**, one of the safest mineral acid products to handle and use.
- ★ More aggressive than phosphoric acid and therefore, generally **faster acting.**
- ★ Free rinsing - eliminates phosphate effluent issues in waste water streams.

### 7. #Z118 EQC-10 - HEAVY DUTY RUST & SCALE REMOVER

A liquid acid scale remover that is formulated for fast, effective removal of hardness scale, rust and other mineral deposits from heat exchanger, condensers, cooling jackets, process vessels, pipings, valves and other equipment subject to scale deposits.

- ★ **Cleaning of complex equipment without disassembling.**  
Circulate & remove heavy scaling & rust from **heat exchangers & heavy engine radiators**
- ★ Safe alternative to hydrochloric acid.
- ★ Easy cleaning solution make-up
- ★ Non flammable. Non fuming.



## HIGHER LIFE SYNTHETIC GREASES



TEMP : UPTO 230°C  
SPEED : RPM 0-1000/1500

### 1. SL WPG AQUATHERM - WATER WASHOUT RESISTANT GREASE

**World's best** 100% Synthetic Grease for Water Pump Bearings - No Water Washout - **No Bearing Failures Even if Seals Fail**

- ★ Polymer reinforced - extreme resistance to water washout.
- ★ Non-melting, very high oxidation and thermal stability
- ★ Clings tenaciously to metal surfaces - Also prevents corrosion
- ★ Sharply reduces inventory and overall lubrication cost

**Lubrication of cooling tower pumps, raw water pumps and any bearings in contact with water** used in steel plants, cement, textiles, paper, agriculture, and humid areas

### 2. SYNTHOX HT - HIGH TEMP + HIGH SPEED GREASE

**World's best** 100% Synthetic High Temperature Grease For Fans & Blowers - **Double Protection - Synthetic Base & MoS<sub>2</sub>**

- ★ Very high mechanical stability at elevated temperature  
Excellent thermal stability due to high viscosity index base oils
- ★ Reduced grease frequency and extends lubrication span
- ★ Micronised MoS<sub>2</sub> powder protects bearings from severe shock loads

**Lubrication of ID & FD fans, blower fan bearings, exhaust fans.....**



TEMP : UPTO 200°C  
SPEED : RPM 0-2500



TEMP : UPTO 250°C  
SPEED : RPM 0-2000

### 3. SL 123R - UNITHERM - HIGH LOAD GREASE

**World's best** 100% synthetic grease for gear couplings, high load bearings

- ★ **Will not leak out.**
- ★ Extremely low coefficient of friction and wear scar
- ★ With stands sudden shock load and extreme pressure
- ★ Tacky structure, less grease consumption, reduces maintenance cost
- ★ Very low to high temperature properties

**Gear couplings, rolling mill billet feeder, planetary mixers, fibrizer in sugar mills, heavy earth moving & mining machinery.**

### 4. SUPERQUIET 100 - HT MOTOR GREASE

**World's best** 100% Synthetic HT Motor Grease - **Will Not Leak Into Windings and cause Motor Failure**

- ★ Micronised PTFE powder reduces friction and wear
- ★ Resistance to softening due to high mechanical stability
- ★ Improves bearings life and extends lubrication life
- ★ Excellent resistance to corrosion

**Lubrication of HT Electric motor bearing, in ETP plants, Heavy machinery, hot & wet area's .....**



TEMP : UPTO 180°C  
SPEED : RPM 0-3000

## HIGHER LIFE SYNTHETIC GREASES



TEMP: UPTO 200°C

### 5. ST WR2 WIRETHERM - WIRE ROPE LUBE

**World's best 100% synthetic penetrative wire rope lubricant - Will Prevent Wear, Internal Rusting & Snapping**

- ★ Penetrates deep into the core of the wires
- ★ Lubricates and protects from wear, load, and corrosion
- ★ Bitumen-free, will not harden, very easy to relubricate
- ★ Very high operating temperature

**Safety against wire rope snapping** - lubrication of wire ropes in cranes, and high-temperature chains used in steel mills, warehouses, shipyards, ports, construction, and marine environments

### 6. 70202 SUPER WIRE ROPE (MINERAL BASED)

- ★ Fast wetting action. Deeply penetrates into the cores of the wires.
- ★ Wire ropes used in mining, marine, construction, shipyards, ports, warehouses, steel mill.....
- ★ Bitumen free formulation. MoS2 reduces internal friction and wear.



TEMP: UPTO 150°C



TEMP: UPTO 205°C

### 7. SILTEC HD - "O" RINGS & RUBBER SEALS

**100% Synthetic Non-melting Rubber Preservative Grease**

- ★ Enhance life of rubber parts – Prevents failure's - Enhances safety.
- ★ Water, steam and chemical resistance.
- ★ Non-toxic, non-melting and non-drying formulation.
- ★ High dielectric strength (30kv/mm).
- ★ Compatible with rubber and plastic components...O-rings, gaskets, seals, valves, bushings, slides, hinges, vacuums pump's...

Imp : Also available #8035 RC Rubber Care

### 8. TEFLOX HD - LEAKPROOF THREAD SEALING

**100% guaranteed** - provides positive sealing on all types of threaded joints in both metallic & plastic lines, handling water, steam, oils, fuel, lpg & other services. Non toxic paste is a blend of micro-refined teflon particles in a non-melting grease base. **Superior to teflon tape - no leakages.**

#### APPLICATIONS

Threaded connections, pipe joints, pipe bungs, flange seals, gasket parting compound.....



TEMP: UPTO 345°C

## HIGHER LIFE SYNTHETIC GREASES



TEMP: UPTO 400°C

### 9. GLANDEX EP - HIGH LOAD

Gland dressing paste

- ★ Prevents shaft damages & leakages.
- ★ Easy to apply over existing gland packing's.
- ★ Non corrosive. Free from heavy metals- Sulphur Lead.....
- ★ Non-toxic , non-melting and non-drying formulation.

### 10. PROTEC CU-HT - 100% RELIABLE

High temperature Moly - Cu antiseize paste

- ★ Prevents galling, seizing, rusting and corrosion.
- ★ Easy to assemble and disassemble.
- ★ **Highly heat resistant and non-melting.**
- ★ Threaded fittings, manifold studs & bolts, sprockets, splines, brake cams and pins, valve shafts, casting equipment.....
- ★ **Operating temperature. (-) 54°C to (+) 1200°C**



TEMP: UPTO 1200°C



TEMP: UPTO 450°C

### 11. MOLYTEC EP - PREVENTS SCOURING

Moly Graphite anti galling assembly paste

- ★ **Press fittings** of bearings, wheels, crankshafts, rods, slideways, guides...
- ★ Smooth movements of parts, easy to assemble and prevent failure.
- ★ Excellent load bearing capacity prevents breakage and failure.
- ★ **Prevents seizing , wear, stick slip** in press fitting.
- ★ Protect against fretting and cold welding of moving joints.



### 1. #944 SYNTHOGLASS WRAP

**World's best** Superior Performance Wrapping System for all Pipe Re-strengthening applications - **NMB Technology With Separate PU Activator**

#### FEATURES

- ★ High strength re-inforced wrap.
- ★ Easy application in any climate.
- ★ Meets the requirement of ASME PCC2.
- ★ Excellent tight surface adhesion - will not leak.
- ★ Excellent chemical resistance.
- ★ Can be applied to wet surfaces.

**IMP : No shelf life or pot life issues**

#### KEY APPLICATION AREA'S

Cracked piping, leaking joints, corroded pipes, emergency repair & pipe line re-strengthening in petrochemicals industries, steel mills...

#### NB SIZES

944 (A) : 2" X 5 FT ROLL

944 (B) : 4" X 15 FT ROLL

944 (C) : 8" X 50 FT ROLL

#### USP'S

- ★ Withstands upto 45 kg pressure.
- ★ Can be applied to wet surfaces.
- ★ A composite, versatile solution for industries where quick-action repair can be critical.

**Imp** : Also Available Solutions For Tankage Mtc : Inner/outer Coating, **Floating Roof Repairs & Boot Sealing...**

### 2. Z801 FASTSTEEL EPOXY STICK

#Z801 fast steel epoxy putty stick is a **fast-setting, industrial strength polymer compound** that enables **permanent repairs** to anything made of steel or other metals. Each handy stick contains pre-measured portions of activator and base throughout - no measuring or mixing tools are necessary

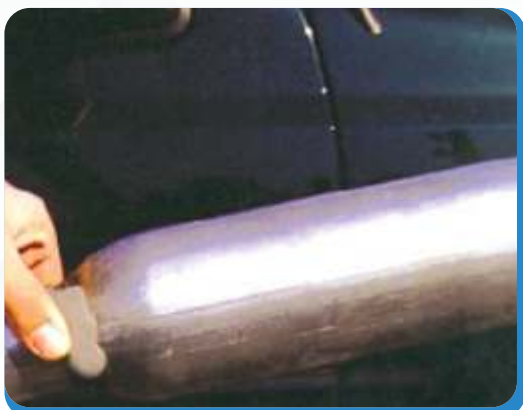
- ★ **Fast** steel epoxy cures to a dark gray metallic color. Suitable for indoor or outdoor use, it is resistant to water, chemicals, and temperature extremes.
- ★ State-of-the-art **NMB technology**
- ★ Ultimate for small or **emergency** repairs
- ★ **Easy-to-use** and mistake-proof
- ★ **Bonds instantly with superior strength**



### 3. Z805 AQUAMEND EPOXY STICK

#Z805 quik aquamend epoxy putty is based on state of art NMB technology, a patented, hand – mixable, **speciality epoxy putty for repairs of damp, wet areas and underwater surfaces.**

When mixed together, the material combine to form a polymer compound that **may be applied underwater** (either fresh or salt water) and will bond tenaciously to substrates such as fiber glass, metal, wood, concrete, ceramic glass & many plastics.





### 4. Z711 (P) QUICKSTEEL EPOXY PUTTY NMB

World's best fast setting, 1:1 mixing, steel filled epoxy putty in unique "paste" like consistency for very effective over laying..

Z711(P) epoxy putty is a **full strength** steel reinforced epoxy putty that fully cures in one hour.

#### FEATURES

- ★ Sets up in 5 minutes. Fully cures in 1 hour.
- ★ Bonds to all materials except rubber. Unique **NMB** technology.
- ★ Impervious to acids, alkaline, solvents, oils, fuels, fluids, cleaners.
- ★ Provides longer working time than other fast drying putty products to **permit hand molding and to flow completely into cracks and holes** for a complete repair.
- ★ Operating temperature- 500°F (260°C) continuous
- ★ Sets up underwater or submerged in liquids.

#### APPLICATIONS

**Overlying, leak sealing, filling cracks & holes... - Guaranteed Performance**

### 5(A). 815 STANGARD STEEL PUTTY (SPL) - NMB

World's best Universal repair putty with unique impact resistance, high temperature resistance & high machinability.

#815 stangard steel putty (SPL) is a two component, high performance, trowelable, **steel alloy** filled epoxy repair system for **rebuilding metals** damaged by abrasion-erosion-corrosion, fatigue cracks. Versatile & easy to use rebuilding putty has excellent abrasion, chemical resistance and moisture & oil tolerance.

#### APPLICATIONS

- ★ Elimination of corrosion **damages and pitting**.
- ★ Repairs on pipes and castings.
- ★ **Pipe Support & Pad Repairs.**
- ★ Repairs of cracks on housings and machine parts.
- ★ Valves, Flanges, Pipe Elbows, T-Pieces, Impellers, Propellers...
- ★ **Tank Surfaces (Pontoon & Roof), Process Vessels, Gas Scrubbers...**
- ★ High temperature repairs – upto 250° C.
- ★ **Takes Impact**



### 5(B). Z824 GLASS FIBER TAPE 50 MM X 2.5 MTR

Z824 Glass Fibre Tape used with Z711(P) & 815(SPL) Putties is a universal type of **re-inforcement tape**



### 6. #Z730 STEELWELD (A + B)

World's best ultra strong high temperature metal filled repair epoxy putty. Suitable upto 250 - >300°C

Vibration, pressure and corrosion-resistant and withstands extreme temperature fluctuations without damage or deterioration.

#### APPLICATION

- ★ Steelweld rebuilding grade having high compressive & tensile strength, can resist a temperature up to **300°C**. It can be machined in the form of grinding/ tapping/ drilling.
- ★ Commonly used for oversized bearing/ bush housings, leaking tanks scored hydraulic rams, worn keyways, scored machine beds undersize scored shafts, **high temperature pipelines...**

### 7. 1170 STANGARD CERAMIC METAL REBUILD PUTTY - NMB

- ★ Nano molecular bonding technology provide **unmatched bond strength even in ST2 / ST3.**
- ★ Highly abrasion resistant.
- ★ Excellent chemical resistance to a wide range of chemicals.
- ★ Very high cavitation, erosion & corrosion resistance.
- ★ **Silicon-steel alloy** - provides high strength to the coating matrix.

#### APPLICATION

- |                                |                                   |
|--------------------------------|-----------------------------------|
| ★ Condenser tube sheets.       | ★ Condensate systems.             |
| ★ Water boxes.                 | ★ Pumps - cooling water,          |
| ★ Heat exchangers & endcovers. | ★ Centrifugal, turbine, vacuum... |

Imp : Overcoat with 1180 for heat exchangers & 1190 for high flow water pumps.



### 8. 1180 NMB CERAMIC COAT FOR HEAT EXCHANGERS

Abrasion /erosion /corrosion attacked surfaces are re-built using 1170 ceramic-metal repair putty and are thereafter overcoated with 1180 for **best protection against erosion & corrosion**, coupled with protection against impingement, entrainment, cavitation & bimetallic corrosion.

#### APPLICATION

- ★ **Heat exchanger tube end sheets** and other water circulation equipments.
- ★ **Centrifugal, turbine & vacuum pumps.**
- ★ To protect new and old equipment exposed to erosion and corrosion.
- ★ Protect pump casings, impeller blades, fan blades.
- ★ Provide abrasion protection surface to butterfly and gate valves.
- ★ **Tank & process vessels.**
- ★ **Gas scrubber's**





### 1. SUPER STANALLOY ST 22

- ★ First time in India "defect Free" MS /carbon steel repairs.
- ★ Ultra-low diffusible hydrogen with high elongation - no hydrogen-induced cracking.
- ★ Self-lifting slag - minimal welder effort & defect-free welding.
- ★ Extremely smooth, spatter-free, and turbulence-free arc transfer.
- ★ **All-position welding electrode.**
- ★ Excellent self-lifting slag, no slag inclusion - welder comfort.
- ★ Fantastic strike and restrike capability combined with low smoke.
- ★ High strength and reliability
- ★ **No porosities / defects even on rusty, dirty MS.**

### 2. SUPER STANALLOY EM 35

- ★ First time in India "defect Free" Mn Steel & all high impact repairs.
- ★ Best-in-class electrode for joining mn steel to carbon steel.
- ★ Self-releasing slag design.
- ★ Superior corrosion resistance to intergranular corrosion at high temperatures.
- ★ Strong and tough weld deposits with **out-of-position capability.**
- ★ Versatile for joining dissimilar steels, austenitic to ferritic steels, and including carbon steels.
- ★ **Good ductility** of the weld deposits- **will not crack in any situation.**



### 3. SUPER STANALLOY DS 34

- ★ **First time in India: "defect free" repairs of unknown steels, dissimilar steels, die steels, forged and cast steels.**
- ★ Frostarc formulation leading to low amperage welding with superior penetration at low amperages.
- ★ Superior ferrite balance chemistry engineered to give superior **crack-free weld deposits** on high alloys and high carbon steels with haz cracking.
- ★ Contact-type and self-lifting slag electrode design.
- ★ Resistance to surface contaminants and excellent impact resistance.
- ★ **Tough, high crack resistance** combined with smooth arc transfer.
- ★ **All-position** welding capability.



### 4. SUPER STANALLOY FN 62

- ★ First time in india "defect free" Cast Iron Repairs without Pre-heating.
- ★ Innovative core wire design allowing maximum penetration with maximum tensile strength in its class.
- ★ Will not crack.
- ★ Touch weld & low amperage welding results in lowest heat input.
- ★ High resistance to surface contamination by oil, grease, and others.
- ★ Highest tensile strength in its class.
- ★ Can be ideally suited for heavy & thin thicknesses.
- ★ High degree of versatility, machinability, and all-position welding

### 5. SUPER STANALLOY TC 42

- ★ First time in India "defect free" Universal & high temperature repairs. Any unknown metal combination for emergencies.
- ★ Widest base metal compatibility.
- ★ All position welding capability.
- ★ Excellent corrosion resistance combined with strength at high temperatures and also thermal cycling.
- ★ Strong and tough weld deposits. Niobium bearing high composite alloy for high strength & quality welds.
- ★ Excellent ductility and deposits don't need PWHT... will not crack in any situation.



#### APPLICATIONS:

Defect free universal welding electrodes for joining all ferrous metals. No re-work ideal for emergency high strength & high temperature repairs whenever downtime is an issue.



### 6. SUPER STAN GOUGE

100% defect free, words under low amperage, low HAZ

- ★ High arc force leading to easy gouging.
- ★ White smoke leading to easy crack spotting while gouging.
- ★ Delayed arcing for preplacement of electrode.
- ★ Superb "u" groove preparation.
- ★ Minimal cleaning after groove preparation.
- ★ Fast metal removal and low electrode consumption.

#### APPLICATIONS:

Defect free electrodes for gouging. No re-work.



### 7. SUPER STAN CUT

100% Defect free cutting, works under low amperage, Low HAZ

- ★ High arc force leading to **easy cutting**.
- ★ **No electrode overheating** till the end.
- ★ Exothermic coating and highly concentrated arc.
- ★ **Versatile** – can be used for any metal.

#### APPLICATIONS:

Defect free welding electrodes for cutting. **No re-work.**



### 1.2050 SHP

**World's best one component, fast drying, direct to metal, high performance, hybrid co-polymer, corrosion prevention. Especially for dusty areas & production machinery.**

2050 Polyhyb SHP is designed as a weather resistant quick drying, easily applied coating, which offers

Excellent long term protection for metals - c1 to c3 environments & concrete.

- ★ **SHP** – Superhydrophobic – dust & water repellency.
- ★ **FDT** – Fast drying technology, ideal for dusty area's.
- ★ **NMB** – Nano molecule bonding - will not peel off.
- ★ **>500 hours salt spray**
- ★ **Will not crack or peel off >2years.**

2050 polyhyb shp combination of 3 proprietary technologies

- ★ **Proprietary 1k cross linked resin system ...** Has min **2- 3x higher life** due to better adhesion & better anti corrosion performance as compared to other 1k systems.
- ★ **Proprietary NMB adhesion - will not peel off**
- ★ **Proprietary SHP water and dust repellence – high gloss retention + anti corrosion performance**

### 2. 1040 TST & NMB + 727 SHP

**World's best Two component true surface tolerant "low surface tension" Epoxy-Pu system – wet & "actual" rust tolerance. Especially for wet & highly rusted areas.**

"Ultra low surface tension" Primer – will penetrate surface rust & bond to parent metal surface, unlike superficial bond of conventional epoxy coatings.

#### FEATURES

- ★ High solids (90%)
- ★ **>2000 hrs salt spray**
- ★ **Excellent adhesion** on steel - **NMB** technology
- ★ **MIO** fortified
- ★ Good chemical resistance. - SHP technology
- ★ **Will not crack or peel off >3-5 years.**



#### USP'S

- ★ True surface tolerant "low surface tension" epoxy coating with **wet & "actual" rust tolerance.**
- ★ **Excellent adhesion on ST-2 prepared surfaces (>1200psi).**
- ★ Better alternate of general purpose epoxy-pu system & other less surface tolerant systems.
- ★ Can be applied in wide range of atmospheric conditions.
- ★ High quality aliphatic Polyester PU top coat with SHP Capabilities - **dust & water repellent.**

#### KEY APPLICATION AREA'S :

**Cooling towers**, C-4 to C-5 areas, steel structures, **tank out side & supporting structure coating**, external **pipe lines**, metal bridges & chemical processing plants, GI structures, **dirty contaminated surfaces**, **wet & humid areas** - paper, coastal area, **oil & gas...**

### 3. 1040 TST & NMB + 718 EGF + 727 SHP

CHEMICAL & ACID ATTACKED AREA'S, MARINE, C5 I&M...

World's best Low surface tension epoxy + Novolac Epoxy with Glass flake + Polyester PU system.

#### FEATURES:

- ★ MIO & glass flake with true surface tolerance.
- ★ Excellent chemical resistance.
- ★ >3000 hrs Salt Spray.- NMB, Glass Flake & SHP Technologies.
- ★ Unique surface tolerant primer & polyester PU top coat.
- ★ Novolac epoxy.
- ★ Better flexibility than std. Epoxy novolac systems.
- ★ Will not crack, peel - off or rust >3 to 5 years.

#### KEY APPLICATION AREA'S :

Acid fume exposed areas, C-4 to C-5 I&M areas, steel structures in chemical plants, acid storage tank out side & supporting structures, structures of acid handling area, **gypsum plant, paper mills**, acid bunds, over coating on acid tile joints....



#### USP'S :

- ★ >6 month H<sub>2</sub>SO<sub>4</sub> (98%) acid Immersion resistance.
- ★ >6 month HCL (33%) acid immersion resistance.



### 4. ES 70 2K

World's best high build two-component ambient temperature curing silicon co-polymer resin matrix incorporating insulating, blocking and reflective agents to reduce the transfer of heat.

This Coating is a composite ceramic insulation coating system. The coating provides an insulating barrier, and helps prevent or reduce condensation formation all in one product. **Microscopic air filled ceramic particles blended with premium Silicon co-polymer resins** provide substantial temperature differentials in relatively thin films.

- ★ Ambient temperature curing, No need to post heat the surface to cure the coating - no peeling off.
- ★ Minimum 2X life
- ★ Temperature resistance up to 600°C.
- ★ Protects against high temperature corrosion - Manifolds, Furnaces, Heat Exchangers, Pre-heaters...
- ★ Reduce radiation heat loss from external surface to atmosphere
- ★ Saves Energy.

### 5. 1180 , 1190 AND 731 ER EXTREME - NMB TECHNOLOGY

**1180-** Abrasion / Erosion / Corrosion attacked surfaces are re-built using 1170 Stangard Ceramic-Metal Repair Putty and are thereafter overcoated with 1180 for best protection against erosion & corrosion, coupled with protection against impingement, entrainment, cavitation & bi-metallic corrosion.

**1190** Stangard Ceramic-Metal Surfacing Top Coating is a two component, high performance, brushable Ceramic - Nano particles filled epoxy coating system, designed for surfacing pump casings to enhance flow.

**731 STANGARD – ER "XTREAM" (NANO)** is modified NMB technology based ceramic -zirconium anti wear epoxy putty, fortified with special reinforcement fibers and fine zirconium micro particles for protecting processing equipments from fine particle abrasion erosion. Rebuilding, repairing, and protecting pump housings, chutes, elbows, cyclones, and other material handling & crushing equipments against erosive & pneumatic abrasive environment.



## CONCRETE REPAIRS & PROTECTION



### 1. 750 STANFLOOR - FLOOR REPAIR

- ★ Excellent adhesion with existing concrete,
- ★ 50 mpa compressive strength,
- ★ Long life

#### APPLICATIONS

High strength floor/machine foundation repair putty.

Trafficable in 4 hrs.

### 2. 751 STANFLOOR – REPAIR

World's best, fast-drying, 100% solids, three-component epoxy resin-based system, loaded with inert fillers. Enables quick repairs of holes and cracks in concrete doors, ramps, walls, and also in grouting applications. Excellent adhesion with existing concrete.

#### APPLICATIONS:

Instant repair damage in concrete structures, especially floors, pillars, beams, columns & storage tanks.

Trafficable in <1 hour.



### 3 (A). 754 STANGARD SEALER OIL & MOISTURE TOLERANT SEALANT

World's best, ready-to-use, non-toxic, penetrating, permanent water & oil tolerant concrete sealer. Specifically formulated, and composed of organic, chemically reactive, complex catalysed compounds, which allow full penetration with superior surface tolerance & application on damp /oily substrates. Enhances all of the natural characteristics of concrete and seals the capillary voids to practically zero. Suitable for all above/below grade, vertical and horizontal concrete surfaces.

#### ADVANTAGES

- ★ Prevents floor damage, wear & cracking
- ★ Adds density and bonding strength - Re strengthens flooring
- ★ Prevents dust generation, water & oil absorbtion
- ★ Makes concrete, easy to clean
- ★ Prevents mildew and fungi



### 3(B). 727 STANGARD HP – PLPU SHP

- ★ SHP- repel's dust & moisture. Retain's gloss. UV tolerant
- ★ High gloss - Polyester PU
- ★ Easy to clean
- ★ Easy to re-apply

#### APPLICATIONS:

Top coat for 754. (refresh whenever needed)



### 4. STANGARD 753 ANTI- CARBONATION & WATER SEEPAGE PREVENTION DENSIFYING COATING

- ★ **World's best**, excellent **penetration cum densification** for protection of RCC Walls, Column's, beams, tanks.
- ★ **Prevents moisture/water ingress**
- ★ Long life protection
- ★ **Re strengthens & prevents algae & fungus growth.**

#### APPLICATION

**Penetrative densification sealing and strengthening** for walls & **RCC** structure for prevention cracking, water seepages, algae and fungus generation **3 - 5 years life minimum.**

### 5. 1311 STANGARD CORROKOTE (FLX) FLEXIBLE EPOXY

100% solids, high build, **flexible grade epoxy coating**, offering **excellent, sealing & waterproofing** of expansion joints, metal roofing together with chemical, corrosion & abrasion resistance, in severe industrial environments.

Excellent flexibility & elongation. **Will not crack, peel-off...** Thus providing long term sealing and corrosion protection.

- ★ **Rubber like high gloss finish** – easy to clean & decontaminate.
- ★ High build 360-400 microns in two coats.
- ★ Excellent resistance to **impact and abrasion.**

#### APPLICATIONS:

**Expansion joint repairs, Roof Sealing...**



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