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Since 1926 – Manufacturer of Decorative and Protective Paints and Waterproofing Coatings

SANCHEM NO-OX-ID “A Special”

DESCRIPTION – NO-OX-ID “A Special” is a soft grease type rust preventive coating, which contains a solvent for ease of application. It is designed for spray or brush application. **NO-OX-ID “A Special”** leaves a thick, semi-transparent, non-drying film, which retains its properties indefinitely. Metal wetting agents and selected rust inhibitors, blended with a petrolatum base, make **NO-OX-ID “A Special”** an economical, effective, protective coating.

NO-OX-ID “A Special” is recommended as a general heavy-duty rust preventive coating wherever cold applied coating is required for maximum protection of metal from weathering, water, or any corrosive atmosphere. It can be used virtually by every industry.

In the manufacturing of precision or any finished metal parts, **NO-OX-ID “A Special”** serves as a protective coating during storage and shipment. For this purpose it is applied by brush. **NO-OX-ID “A Special”** is used extensively for maintenance purposes. Whether the corrosion problem involves nuts and bolts, structural steel, steel water tanks, equipment in service or storage, patterns, dies or jigs, **NO-OX-ID “A Special”** will provide complete protection with one coating.

APPLICATION – NO-OX-ID “A Special” is cold applied as it comes from the container, using a stubby brush, swab or glove. **NO-OX-ID** should be rubbed onto the surface thoroughly to absorb any moisture present and to insure contact over all irregularities present. A thicker film should be applied to areas exposed to severe corrosive influences.

NO-OX-ID “A Special” can be sprayed in positive displacement heavy material pumps having an 8 to 1 piston ratio, such as Graco, Binks or DeVilbiss, after warming **NO-OX-ID “A Special”** to 90° F. This temperature is well below the flash point of **NO-OX-ID “A Special”**.

PREPARATION OF SURFACE

NO-OX-ID “A Special” will penetrate old rust, scale and paint films to bare metal, arresting further corrosion and pitting. This penetrating action requires touch up later as rust scale is softened and drops off.

For best results, the following cleaning procedures are recommended:

- A. Clean rags where only wiping or dusting is necessary, or rags soaked in kerosene for light dirt removal on production parts.
- B. Solvent immersion for dipping production parts for the removal of light film contamination.
- C. Wire or power brush where rust deposits or loose paint films must be removed by abrasive action over large areas.
- D. Flame cleaning, an alternative method for the removal of heavy rust or mill scale over large areas.
- E. Steam cleaning where thick grease, tarry or other organic deposits are present.
- F. Air Pressure Scraper – In case of major structures, the user may desire to employ air cleaning with a simple scraper.

CLEAN UP OR REMOVAL

On production parts and equipment in storage, the coating can be removed by clean rags or swabs soaked in petroleum solvents such as naphtha. If the coated metal can be handled easily, conventional degreasing methods, such as trichloroethylene, vapor degreasers, alkaline wash, or solvent immersion methods can be used.

TABLE FOR CALCULATION COVERAGE

<u>FILM THICKNESS</u>	<u>APPROX. SQ. FT. COVERAGE PER GALLON</u>
1/64" (0.016")	100 sq. ft.
1/48" (0.023")	75 sq. ft.
1/32" (0.031")	50 sq. ft.
1/16" (0.063")	25 sq. ft.

(7.21/lb. (wt. per gallon) ÷ sq. ft. coverage = weight per sq. ft.)

TECHNICAL DATA

<u>CHARACTERISTICS</u>		<u>TEST METHOD</u>
Melting Point - ° F	135 – 165	ASTM D-127
Pour Point - ° F	130 – 160	ASTM D-97
Flash Point (COC)	250° F. Minimum	ASTM D-92
Penetration @ 77° F	140 – 180	ASTM D-937
Viscosity @ 210° F	110 – 180 SUS	ASTM 2161
Weight Per Gallon	7.21 lbs.	

STANDARD CONTAINER

5 – Gallon Pail 35 lbs.

USAGE SHEET

GENERAL

1. In the oil industry
2. Inside steel structures in general
3. Nuts, bolts & flanges before installation (for greater ease of assembly & removal during repairs)
4. Inside of condenser boxes
5. Condenser coils
6. Acid tanks, acid blow cases and acid lines
7. Inside of water tanks (imparts no taste or odor to water) – For potable water, use “**WW**” Grade
8. Inside top of tanks, except gasoline, benzene & naphtha storage
9. Inside top of agitators
10. Bottom and on first ring of crude fuel and heavy oil tanks
11. Top of water tanks
12. Stored pressure still tubes
13. Threads of tank car safety valves
14. Threads of outlet neck caps on tank cars
15. Thread of fittings in storage
16. Stored casing or casing ready to run. It is not necessary to remove **NO-OX-ID** from casing threads when it is running
17. Tubing threads in storage
18. All crown blocks
19. Outside break bans on bull wheels
20. Temper screws instead of grease
21. Threads of casing head controls
22. Casing heads of gas wells
23. Stored rod lines
24. Stored gun barrels, tanks & metal surfaces in contact with salt water, particularly pumping jack
25. Balls and seats of stored working barrels
26. Christmas tree on flowing oil wells
27. Lead of vacuum lines of pumping wells (or **NO-OX-ID GG-2**)
28. Steel derricks (or **NO-OX-ID GG-2**)
29. Oil tank protection – will mitigate rust or pitting that has started
30. Casings
31. Metal equipment subjected to salt, acid or other corrosion

AIRCRAFT CONSTRUCTION

1. Bolts, nuts and fittings
2. Control cables
3. Machine gun mounts
4. Lubrication and protection of retractable landing gears
5. Inside pontoons
6. Rods, struts, hollow tubing and turnbuckles

AUTOMOBILE INDUSTRY

1. Battery, containers and terminals
2. Bolts, nuts and threaded parts
3. Exports and domestic shipment
4. Springs – as a lubricant as well as a rust preventative

BREWERIES-TANNERIES-GLUE PLANTS

1. Structural steel in acid
2. Inside septic tanks
3. Steel overhead doors
4. Finished surfaces on presses

ELECTRIC TRANSMISSION

1. Bus bars, contact points, switch blades
2. Transformers
3. Steel conduit
4. High line towers, brackets and insulators

ENGINES

1. Threads of air hose couplers
2. All bright parts, such as side rods, piston rods and the inside of cylinders for protection in transit of new locomotives and those going to the shop
3. All bright parts for rod engines
4. Crank pins and bearings after boring
5. Cylinder bushings after boring
6. Frame jaw faces
7. Spring hanger pins
8. All pipe threads
9. Shoes and wedges
10. Locomotives in storage

FARM EQUIPMENT

1. Tractors & pulleys
2. Laid-up machinery

GAS INDUSTRY

1. Purifying boxes
2. Coke & coal handling equipment
3. Coke quenching cars
4. Condenser cooling coils

5. Inside air and water tanks
6. Nuts, bolts, and flanges at time of installation
7. Pipe & tubing in storage
8. Valve stems

MARINE SERVICE

1. Tanks-ballast, side and wing
2. Fore and aft peak. Portable or drinking water and any other tanks for water storage
3. Cofferdams
4. Coal bunkers
5. Tank top under wooden ceiling
6. Steel where covered with wood
7. Screws on boat davits
8. Turnbuckles on rigging
9. Machinery-engines & turbines laid-up, spare parts, tools & equipment, threaded joints
10. Ventilator coamings
11. Refrigerator coils
12. Inside brine tanks

MECHANICAL DEPARTMENT

1. Threads of air hose couplers
2. Buffer plates
3. Car wheel journals
4. Electric conduit
5. Machined parts
6. Stoker parts
7. Outside bottom surface of tanks, also boards upon which tanks rest
8. Inside of center sills and top and bottom of top cover plates of old style tenders
9. Inside tender tanks
10. Tender coal space
11. Top of tender underframe
12. Train lines

PACKING PLANTS

1. Condenser coil
2. Steam coils
3. Brine tanks, inside
4. Brine coils
5. Ice cans
6. Hoists
7. Pans
8. Fire doors
9. Spray towers
10. Tracks and hooks
11. All piping
12. Pre-coolers
13. Truck springs
14. Sprinkler systems
15. Structural steel
16. Vales and fitting

PAPER MILLS

1. Protection of rolls and driers in shipment and storage
2. Tanks of all kinds
3. Machinery in shipment & storage
4. Overhead structural steel in paper machine & beater rooms
5. Piping
6. Sprinkler system
7. Digesters-beater tanks

RAILROAD SERVICE

1. Oil-electric & gas-electric locomotives, both new and used going through the shop
2. Crank pin and bearings after turning
3. All bright parts
4. All inaccessible pins
5. Springs hanger pins
6. Threads of air hose couplers

TELEGRAPH, SIGNAL & ELECTRIFICATION

1. Air lines
2. Boot jack connecting
3. Junction boxes
4. Messenger wires, cables and clips
5. Pipe carriers
6. Railbonds
7. Insulated rail joints
8. Switch and circuit control rods
9. Battery boxes
10. Threads of turnbuckles on guy rods of electrification masts

WATER INDUSTRY

1. Steel settling tanks & baffles
2. Metal parts of clarifiers and Flocculators
3. Coarse & fine screen
4. Inside and underside of roofs of steel storage tanks (for potable water, use "WW")
5. Stand pipes and tank bottoms
6. Mixing & aeration equipment
7. Sludge digestion & removal equipment
8. Metal work of filtration systems
9. Strainers
10. Nuts, bolts and flanges during assembly for protection and ease of removal
11. Coal handling equipment
12. Cranes, hoppers and ash conveyers
13. Inside ammonia tanks
14. Condensed cooling coils
15. Saturated packing glands, to prevent rusting of stems