

 **RUST-OLEUM®** EXCELLENT TECHNICAL SPRAYS

X1

EXCELLENT



*The neXt generation
technical sprays*



KNOW-HOW TO PROTECT®

X1 COVERS IT ALL

A comprehensive range of Technical Sprays for all your industrial lubrication and cleaning needs



Ultimate synthetic lubrication

The X1 eXcellent Technical Sprays contain the unique ceramic technology: **BoroTecX™**

This additive is formulated to increase performance under high loads and extreme pressures. It also reduces friction and wear between surfaces. (See page 4-5)



3-way spraying under any angle

Lubricate and clean any object no matter how difficult to reach thanks to our 360° valve system and various nozzle combinations. (See page 16)



All application areas from lubrication to cleaning



Why buy a range of sprays when with X1 you have it all!

Rust-Oleum® offers the all-in-one assortment...
X1 eXcellent Technical Sprays

- **ONE – STOP – SHOP assortment**

Complete range of sprays; lubricants, corrosion inhibitors, cleaners and penetrating sprays.

- **Highest quality**

Excellent performance and endurance

- **Ease of choice**

Select your preferred technical spray easily

- **ONE – STEP – AHEAD**

Groundbreaking techniques and ongoing innovations

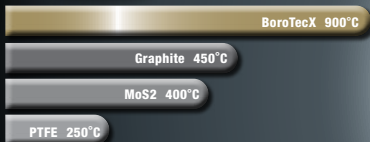




BoroTecX™
The ultimate equipment protection!

Rust-Oleum® has revolutionised technical sprays with a special additive, 'BoroTecX™' the ultimate in lubrication improving additives.

Higher performance



BoroTecX™ is capable of withstanding temperatures up to 900°C

Extreme Loads



BoroTecX™ is capable of withstanding extreme loads. Where others fail, BoroTecX™ continues and keeps reducing friction.



BoroTecX™ is highly chemical resistant. It therefore can be used in chemical (aggressive) areas.



Lasts longer



No BoroTecX



Test EN ISO-20623 / ASTM D2266 has proven that X1 white grease containing BoroTecX™ can outperform standard greases by up to 4 times.



Clear indication of purpose and application



Icons



The ultimate lubrication improving additive



Anti corrosive



Penetrating



Lubricating



Cleaning



Protecting



360° system



X1 Multi-Purpose spray - 1610

Lubricates, cleans and protects

A general purpose lubrication fluid that protects and cleans metal and plastic parts. This excellent penetrating fluid has anti-corrosive and water repellent properties. It leaves a protective film layer after use.

Applications

- Lubricating cables, chains, locks, switches and contacts
- Protection of metal surfaces against rust
- Lubricating locks, hinges and other moving parts
- Protection of electrical terminals from moisture and corrosion
- Displaces water in automotive ignition circuits and contacts
- Free/loosen rusted parts
- Will help to remove adhesive labels

Characteristics

- Stops squeaking
- Creeping properties
- Displaces water
- A film layer is left on the surface after cleaning
- Does not contain silicon
- Temperature range: -30 °C to 145 °C
- Dissolves grease, tar, oil and some adhesives



X1 Cutting & Tapping spray - 1611

Lubricates and cools all cutting tools

A specially formulated cutting fluid which lubricates and cools the cutting tools and work piece for every form of metalworking such as cutting, drilling, sawing and tapping. It withstands extreme loads and temperatures, will resist chemical attacks and has excellent thermal conductivity. An ultra thin film will give lasting lubrication and protection.

Applications

- Cutting, drilling, sawing and tapping all types of ferrous and non ferrous metals

Characteristics:

- Cools while cutting
- Prolongs tool life
- Reduced friction leads to better surface finish
- Increases process speeds
- Non silicon
- Temperature range: -30 °C to 130 °C
- Contains extreme pressure additives which help prevent galling and pitting





X1 Chain & Drive spray - 1612

Reduces friction, helps prevent wear

A high quality spray with effective anti-filing properties for lubricating gears and chains. It reduces friction and helps prevent wear on chains and open gears which are liable to heavy load. It withstands extreme loads and temperatures and has an ultra low coefficient of friction.

Applications

- Lubricating open chains and chain driven transmission.
- Fork lift truck chains
- Open gears on conveyors
- Bike chains and gears
- Fork lift/truck drains

Characteristics:

- Good adhesion
- Resists detergent washing
- Temperature range: - 35 °C to 180 °C
- Extreme pressure additives give long term protection and reduce wear under extreme loads



X1 Freeze & Release spray - 1614

High quality rust releaser with shock effect

A high quality rust releaser to loosen rusted parts by shocking, with a rapid temperature decrease and then using an advanced chemical action to penetrate, lubricate and release the components. Has outstanding lubrication properties and it repels water.

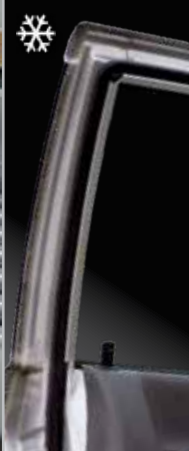
Applications

- Fasteners
- Connections fastened with screws
- Releases rusted and seized screws, bolts, studs and other seized components

Characteristics

- Water repellent
- Temperature range: -50 °C to 170 °C
- Shocks components with rapid temperature reduction





X1 Silicone spray - 1615

Odourless and colourless dry lubricant

A high quality odourless and colourless superfine dry lubricant which possesses excellent thermal stability, for all types of general purpose lubrication applications. It penetrates and protects metal, rubber and plastic parts. An ultra thin film dry lubricant with excellent lasting penetrating properties.

Applications

- Lubricating cables, chains, bearings, pins, links, conveyors and hinges
- Non stick for slides, shutters, drawers, zippers
- Protection of metal surfaces against rust
- Lubricating locks, hinges and other moving parts
- Cleaning vinyl, plastic and rubber surfaces
- Release agent for moulds and castings
- Protects locks from freezing
- Ideal for use in the pharmaceutical and other clean industries

Characteristics:

- Dry lubricant
- Stops squeaking
- Water resistant and repellent
- Good chemical resistance
- Temperature range: -40 °C to 200 °C
- Non stick - no mess lubrication



PENETRATING



LUBRICATING



PROTECTING



360° SYSTEM



X1 Ceramic Anti Seize spray - 1616

Protection of all threaded fasteners

A ceramic base grease, capable of withstanding extreme pressures and temperatures. The Ceramic technology leaves an inert barrier of microscopic platelets long after the grease fails due to high temperatures. It provides with an ultra thin film, giving lasting lubrication and protection.

Applications

- Assembly grease for; boilers, furnaces, engines, exhausts, heat exchanges, water pumps etc.
- Effective brake anti squeal
- Prevents seizure of exhaust and abs sensors

Characteristics:

- Prevents seizing and galling
- Withstands extreme temperatures
- Water, chemical and weather resistant
- Non metal and non conductive
- Insulates, prevents seizure between dissimilar metals
- Non silicon
- Temperature range: -30 °C to 1100 °C
- Non sagging, suitable for vertical surfaces



ANTI CORROSIVE



PENETRATING



LUBRICATING



PROTECTING



360° SYSTEM





X1 White Grease spray - 1617

Withstands extreme loads and conditions

A multi purpose, high quality white grease giving excellent lubrication, water and heat resistance. Added BoroTecX™ extends its working life and improves the greases ability to withstand extreme loads and conditions. The White Grease spray is formulated to penetrate linkages, hinges, chains before setting to leave a tenacious long lasting lubricant.

Applications

- Lubricating bearings, gears, cables and chains etc.
- Protection of metal surfaces against rust
- Lubricating locks, hinges, and other moving parts
- Ideal for tracks and slide conveyors
- Water resistant, can be used on water pumps etc.

Characteristics

- Stops squeaking
- Water repellent
- Corrosion preventive
- Suitable for vertical surfaces, will not run
- White colour gives visual confirmation of lubrication
- Temperature range: -50 °C to 170 °C
- Non silicon, bodyshop safe



X1 PTFE spray - 1618

Light lubricant containing PTFE

A high purity, light lubricant containing PTFE. Suitable for applications requiring a clean, light film. It has outstanding lubrication and water repellent properties.

Applications

- Light duty chains, hinges slides and gears
- Ideal for air tools and other small machinery
- Clean product so suitable for use in car interiors
- Will lubricate garden and horticultural equipment
- Ideal for use on commercial sewing and knitwear machinery

Characteristics

- High anti-wear characteristics
- Contains PTFE
- Water repellent
- Ultra low friction coefficient
- Temperature range: -40 °C to 120 °C
- Clear clean formula





Unique spraying advantages



3-way spraying

1



Wide spray

Easy coverage of large surfaces

2



Narrow spray

For powerful precision spraying, no overspray

3



Extended spray


The regular nozzle on the aerosol can be replaced by the extended nozzle for precision spraying



X1

EXCELLENT

TECHNICAL SPRAYS

	1610 X1 Multi-Purpose spray	1611 X1 Cutting & Tapping spray	1612 X1 Chain & Drive spray	1614 X1 Freeze & Release spray	1615 X1 Silicone spray	1616 X1 Ceramic Anti Seize spray	1617 X1 White Grease spray	1618 X1 PTFE spray
Lubricates	●	●	●	●	●	●	●	●
Penetrating	●		●	●	●	●	●	●
Grease						●	●	
Dry lubricant					●			
Stops squeaking	●				●		●	●
Adhesive			●					
Creeping	●			●				●
Removing rust				●				
Anticorrosive	●		●	●		●	●	
Displaces water	●							
Water-repellent	●			●	●	●	●	●
Protecting	●			●	●	●	●	●
Cleans	●							
Cooling		●						
High temperature						●		



**FOR MORE
INFORMATION GO TO:**



WWW.X1TECHSPRAYS.COM

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