



TECHNICAL DATA SHEET



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Item #	Package	Size
1381192	Bottle	8.0 fl. oz. (236 ml)

DESCRIPTION:

Loctite® Extend Rust Neutralizer is a fast drying, rust converter latex coating that is applied to rusted metal to stop rust, protect the surface and act as a primer for the finish coat. It converts rust to a neutral surface ready for painting.

RECOMMENDED FOR:

Converting light rust to a paintable surface on metal surfaces such as iron and steel. Use on iron railings, barbeque grills, pipes, valves, storage tanks, ductwork, automobiles, patio furniture, tools, antiques, mailboxes, lawn mowers, bicycles and lamp posts.

LIMITATIONS:

- Treated areas should not be painted over with zinc or copper based paints or primers.
- If using a latex paint as a top coat, an oil-based primer should be used first.
- Application in direct sunlight. If temperature is too hot, film may surface dry and bubble.
- Should not be applied in conditions of condensing humidity (i.e. fog, dew), on ice, in rain or in heavy sea (salt) spray atmospheres
- Steel surfaces may be damp but not wet (i.e. continuous visible film of water)
- Not recommended for use in pure oxygen and/or oxygen rich systems
- Do not sand neutralized surface after coating has turned black. This breaks the barrier and will cause future rust.

FEATURES & BENEFITS:

Feature	Benefits
Dries to produce a tough polymer surface....	Seals rust and creates a neutral surface that is ready for priming and painting
Extremely effective on mild surface rust.....	Converts surface rust and prevents rust from spreading
Sets in 20 minutes per coat.....	Quick completion of project

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Typical Uncured Physical Properties		Typical Application Properties	
<u>Color:</u>	Light brown, milky	<u>Application Temperature:</u>	Apply between 50°F (10°C) and 90°F (32°C)
<u>Appearance:</u>	Liquid	<u>Odor:</u>	Mild Acrylic (use in well-ventilated area)
<u>Base:</u>	Vinyl acrylic copolymer	<u>Conversion Time:</u>	30 minutes max.
<u>Solvent:</u>	Water	<u>Dry Time:</u>	60 minutes max.
<u>Specific Gravity:</u>	1.202	<u>Cure Time:</u>	24 hours
<u>VOC Content:</u>	110g/L (SCAQMD)	<u>Clean Up:</u>	Wet: Detergent and water Dried: Rubbing alcohol or mineral spirits
<u>pH:</u>	1.95	<u>Number of coats required to prevent rust reoccurring:</u>	<ul style="list-style-type: none"> Three coats are required. Second application should cure for 24 hours before third coat is applied.
<u>Viscosity:</u>	Not Available		
<u>Flashpoint:</u>	Does not Flash		



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Shelf Life:	24 months from date of manufacture (unopened)	Lot Code Explanation:	Y/DDD Y= Last digit of year of manufacture DDD= Day of manufacture based on 365 days in a year Example: 7145 = 145 th day of 2017 – May 25, 2017
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Typical Cured Performance Properties

Color:	Black	Clean Up:	Paint stripper or sanding
Cured Form:	Tough polymer surface	Water Resistance:	Yes, when properly protected
Service Temperature:	Up to 200°F (93°C)	Chemical Resistance:	Treated surfaces should be top coated for maximum protection. Continuous exposure of coating to water, solvents or chemicals can cause whitening, blistering flaking of the latex film.

Rust Prevention: Two coats of Rust Neutralizer plus a clear top coat or paint coat; OR Three coats of Rust Neutralizer

DIRECTIONS:

Tools Typically Required:

Brush, clean rags, gloves, 50 and 320 grit sandpaper or wire brush.

Safety Precautions:

Well-ventilated area, rubber or plastic gloves (nitrile recommended), safety glasses.

Preparation:

May stain skin. Wear gloves. Protect finished surfaces. Remove loose rust, dirt and oil. Sand with coarse sandpaper (50 grit) or wire brush. Some rust must remain to be neutralized. **Caution:** The product may cause rust if applied to a non-rusted surface.

Surface Preparation:

1) Old Steel:

All loose or flaky rust, dirt, oil, paint and all other contaminants must be removed. Only conversion of firmly bonded rust will result in durable protection. Loose rust, mill scale and oil paint should be removed preferably by power wire brushing, followed by rinsing with water to remove powder and solubles. Manual wire brushing, chipping and scraping can also be used.

2) Rust Conversion Time and Appearance:

Two coats of Loctite® Extend Rust Neutralizer are recommended.

On lightly rusted steel (that has been wire brushed), the first coat will start to develop a violet color within 60 seconds. This will become satin to flat black in appearance. The second coat should dry to a satin black appearance.

On heavily rusted steel (that has been wire brushed), the first coat should develop a purple-black color within seconds. The second coat should dry to a black color with gloss varying from flat to satin. The second coat should be applied within 15 to 30 minutes of the first coat.

Directions for Use:

- 1) Ensure material is mixed thoroughly before using. Shake bottle well before use.
- 2) Remove oil, dirt and grease from surface. Wire brush to remove flaky rust and loose scale. Some surface rust must be present.
- 3) Brush on lightly and evenly. Apply 2 to 3 coats allowing no more than 20 minutes drying time between coats. Final application should dry to a black finish. A black coating will appear within 5 minutes. Uneven color indicates need for additional coats for maximum protection. Recoat time 15 to 30 minutes.
- 4) Wait for 24 hours before applying top coat. If not top coating, protect from moisture and humidity and use third coat of rust neutralizer 24 hours after applying the second coat.
- 5) Most finish paints will not require any additional primer. However, light color latex and metal filled paints require a solvent based primer on top of Loctite® Extend Rust Neutralizer before finish application.
- 6) For a smooth finish, sand with 320 grit sandpaper before top coating. Do not sand after top coating. This will break the barrier and will cause future rust.
- 7) Brushes, rollers and other tools should be cleaned immediately with soap and water. Loctite® Extend Rust Neutralizer is extremely difficult to remove once dry.



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DIRECTIONS:

Resistance to Moisture, Solvents & Chemicals:

Loctite® Extend Rust Neutralizer should be top coated for many applications. Continuous exposure of Loctite® Extend Rust Neutralizer to water, solvents or chemicals can cause whitening, blistering or flaking of the latex film.

Loctite® Extend Rust Neutralizer should not be used in applications involving continuous immersion in water or fluids. It should be top coated with products known to be resistant to the expected environment. Latex topcoats are not recommended without a suitable barrier coat.

Clean-up

Uncured rust neutralizer can be removed with detergent and water. Clean any equipment, rollers, brushes or trays with cold water and mild detergent immediately after use. Cured rust neutralizer can be removed with paint stripper or by mechanical abrasion.

STORAGE AND DISPOSAL

PROTECT FROM FREEZING. Store between 46°F (8°C) to 82°F (28°C). Use an approved hazardous waste facility for disposal

LABEL PRECAUTIONS

CAUTION: CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. HARMFUL IF SWALLOWED. Avoid contact with skin and eyes. Do not swallow. Use in well-ventilated area. Avoid breathing mists or vapors

FIRST AID: For eye contact, immediately flush with water for at least 15 minutes; call a physician. For skin contact, wash thoroughly with soap and water. If swallowed, do not induce vomiting. Give large quantities of water to drink, call physician. If overcome by vapors, move to fresh air.

KEEP OUT OF REACH OF CHILDREN



WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

Refer to the Safety Data Sheet (SDS) for further information

DISCLAIMER

The information and recommendations contained herein are based on our research and are believed to be accurate, but no warranty, express or implied, is made or should be inferred. Henkel recommends purchasers/users should test the products to determine acceptable quality and suitability for the intended use. All adhesive/sealant applications should be tested under simulated or actual end use conditions to ensure the adhesive/sealant meets or exceeds all required project specifications. Since assembly conditions may be critical to adhesive/sealant performance, it is also recommended that testing be performed on specimens assembled under simulated or actual production conditions. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

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For Technical Assistance call : 1-800-624-7767 – Mon-Fri - 9:00a – 4:00p ET
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