

740(E)



HEAVY DUTY RUST GUARD

Description

Chesterton® 740(E) Heavy Duty Rust Guard is a premium quality corrosion preventative coating designed with user ease-of-application in mind.

It is the perfect coating for those areas of the plant constantly exposed to humidity and corrosive fumes. It protects iron, steel, aluminum and other metals in industrial, automotive and marine applications indoors and outdoors (sheltered) for up to 2 years.

Chesterton 740(E) Heavy Duty Rust Guard is easy to apply, requiring minimum surface preparation. It can be applied by dipping, brushing or with convenient aerosol spray. After thorough removal of loose scale, 740(E) Heavy Duty Rust Guard can be applied to rusted surface to prevent further corrosion. It can also be applied directly over Chesterton® 763 Rust Transformer® without a water rinse for an excellent 1-2 barrier system.

Chesterton 740(E) Heavy Duty Rust Guard is long lasting and durable. The tough coat deposited with even a single application approaches the performance of many paints.

Composition

Chesterton 740(E) Heavy Duty Rust Guard is a thermoplastic, high molecular weight blend of oxygenated hydrocarbon, corrosion inhibitors and volatile solvents that forms a versatile, resilient coating and provides total rust protection. A smooth, homogenous mixture, 740(E) Heavy Duty Rust Guard forms a waxy elastic film which heals itself when scratched or damaged. 740(E) Heavy Duty Rust Guard can be recoated for maximum service life. New coats can be applied over old without extensive surface preparation.

Typical Physical Properties

Form	Hard waxy film	
Color	Transparent Brown	
Recommended Film Thickness Per Application	Wet	64 microns (2.5 mils)
	Dry	36 microns (1.4 mils)
Coverage at 64 micron (2.5mils) WFT	15m ² /l	
Drying Time at 21°C (70°F)	Tack Free/Complete	2-4 hours/24-48 hours
Application Temperature	10° to 43°C (50° to 110°F)	
Service Temperature	-40° to 79°C (-40° to 175°F)	
Pour Point	6°C (42.8°F)	
Flash Point, Tag Open Cup, ASTM D 1310	As Received	73°C (163.4°F)
Auto Ignition Temperature ASTM D 2155	As Received	297°C (566°F)
Weight Per Gallon	7.34 pounds	
Density	0.88 kg/l	
Percent Solids, Bulk	By Volume/By Weight	51/47
Corrosion Protection	Indoors or Outdoors	Long Term ≤ 2 years (under shed)
Corrosion Resistance ASTM B 117 5% Salt Fog, 38°C (100°F)	2000 hours	

740(E) Heavy Duty Rust Guard provides optimum protection against moisture vapor and chemical fumes. This formulation will not flake and can be applied to surfaces to which conventional cured coatings will not adhere.

Because of the non-cured hydrocarbon composition, Chesterton 740(E) Heavy Duty Rust Guard can be removed, if necessary, with hydrocarbon solvents such as Chesterton® 274(E) Industrial Degreaser or 276(E) Electronic Component Cleaner. This means further processing can proceed with a minimum of labor intensive parts preparation.

Applications

Protects iron and steel from rusting indoors or outdoors for up to two years. Gives long lasting protection for metal, tools, fixtures, parts-in-process, equipment tanks, roofs, structures, machinery tubing, castings, rod, bar and sheet stock. Keeps rust from forming on jigs, fixtures, sheet stock, stampings, parts in storage. Spray on pumps, fittings, valves, and hinges; any area subject to humidity and water exposure. Recommended for lay-up protection on chrome and brass fixtures, engine blocks. Protects automobiles and equipment during overseas shipment. Protects construction equipment, pipe, or machinery stored out of doors against corrosion.

Features

- Excellent resistance to acid, alkali and salt air fumes
- Dry wax film
- Self-healing if scratched
- Easy to apply - Easy to remove
- Does not flake or peel
- Provides up to two years corrosion protection under sheltered outdoor conditions
- Withstands up to 2000 hours in accelerated corrosion test (ASTM B 117)
- Conforms to United States Military Specifications MIL-C-16173D, Grade 1 and 4

Directions

The surface should be free from dirt, oil, grease, moisture, rust, lint, etc. Apply Chesterton® 740(E) Heavy Duty Rust Guard by spray, dip, or brush. Apply evenly. Observe dangers while using. Single or multiple coats may be used. Allow to dry between coats. Dries completely in 24 to 48 hours.

Clean up

Residual product on application equipment and other areas is easily removed with Chesterton® 276(E) Electronic Component Cleaner or 274(E) Industrial Degreaser.

Storage

It is recommended 740(E) Heavy Duty Rust Guard be stored at temperatures between 10°C (50°F) and 49°C (120°F). If stored at lower temperatures, time may be required to raise the temperature and facilitate handling. The product has a shelf life of two years from the date of manufacture in unopened containers.

Safety

As with any organic solvent based product, care should be taken to avoid excessive inhalation of vapors. This is especially important in enclosed areas or areas with poor ventilation. Before using product, review the Material Safety Data Sheet (MSDS) or the appropriate safety sheet for your area.

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DISTRIBUTED BY:

Chesterton International GmbH
Am Lenzenfleck 23, DE-85737 Ismaning, Germany
Tel +49-5223-96276-0
www.chesterton.com eu-pds@chesterton.com
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FORM NO. 740(E) - EN

740(E) HEAVY DUTY RUST GUARD - ENGLISH

REV. 01/18