



# Product Information

[www.miller-stephenson.com](http://www.miller-stephenson.com)

## ShieldSys™ 346 Wire and Jacket Coating

### Description:

ShieldSys™ 346 is a high-performance water-based, industrial coating designed to provide wires & cables with a highly lubricious, protective coating. When applied to a substrate, it exhibits outstanding anti-stick properties and has a very low coefficient of friction. ShieldSys™ 346 develops a long lasting thin-film that helps to facilitate wire jacket stripping, over-molding, and release characteristics. Benefits of this product include:

- High lubricity: Thin-Film Coating
- Non-stick; Low Coefficient of Friction
- Allows easy removal of outer jacket on wire
- Exhibits excellent release properties
- Rapid dry and cure times

### Uses:

ShieldSys™ 346 is formulated to provide unmatched utility in wire jacket removal, over-molding, and release due to its high lubricity and non-stick properties.

### Recommended Application Procedure:

- Dipping and Flooding – The easiest and most widely used method. A wiper system should be used to strip off excess amounts, ensuring a thin, even coating over the entire length of substrate.
- Spraying – Particularly effective in depositing a very thin coating with excellent adhesion. This system can be used with an automated or hand spray gun.
- Wiping or Brushing – Very effective for coating small amounts of selected areas on a wire or cable.

### Physical Properties:

Primary Polymer:.....Reactive Polysiloxane  
Appearance:.....White Emulsion  
Odor:.....None  
Specific Gravity:.....1.0 g/mL @ 25°C  
Flash Point:.....None

### Storage and Handling:

The precautions used in handling ShieldSys™ 346 release coating are the same as those used in handling most coatings in industrial use. Contact with the skin should be avoided. If spraying, care should be taken to avoid inhaling mist or vapors, just as sprayed paint inhalation should be avoided.

If this product is exposed to extreme heat conditions from misuse or equipment failure, toxic decomposition products that include hydrogen fluoride can occur. Always wash hands after handling ShieldSys™ 346 coating.

### Shelf-Life

ShieldSys™ 346 has a shelf life of 12 months from the date of shipment.

### ShieldSys™ Product Line:

Miller-Stephenson offers a selection of high performance water-based, and water/solvent based coating systems to meet your coating or production needs. All variants of the ShieldSys™ Series will deliver higher productivity, less downtime, and higher quality products.

**Safety Data Sheet (SDS) is available upon request.**

**LIMITATION OF LIABILITY AND REMEDIES:** Manufacturer warrants that, at the time of shipment by the Manufacturer, this product is free from defect in material and manufacture. If the product is proved to be defective, the exclusive remedy, at Manufacturer's option, shall be refund of the purchase price or replacement of the defective product, provided written notice of the defect is given no later than one year after the date of shipment by the Manufacturer. Manufacturer shall not otherwise be liable for loss or damages whether direct, indirect, incidental or consequential, regardless of the legal theory asserted, including negligence and strict liability. **Manufacturer expressly disclaims all implied warranties, including the implied warranty of merchantability and the implied warranty of fitness for a particular purpose. There are no warranties which extend beyond the description on the face hereof.**

For further technical information call 800.992.2424 or 203.743.4447  
For product sales: CT 800.442.3424, CA 800.771.8161  
[www.miller-stephenson.com](http://www.miller-stephenson.com)

Miller-Stephenson logo and ShieldSys™ are trademarks of Miller-Stephenson Chemical Company Inc