



BRAND-NEW

## Introducing the New Gardner-Scrub Abrasion Tester

Coated and uncoated surfaces need to be tested for resistance to abrasion caused by a brush, sponge, scouring pad, sand paper, and other means. Abrasion resistance can be tested by wet abrasion methods using scrub media or cleaning solutions.

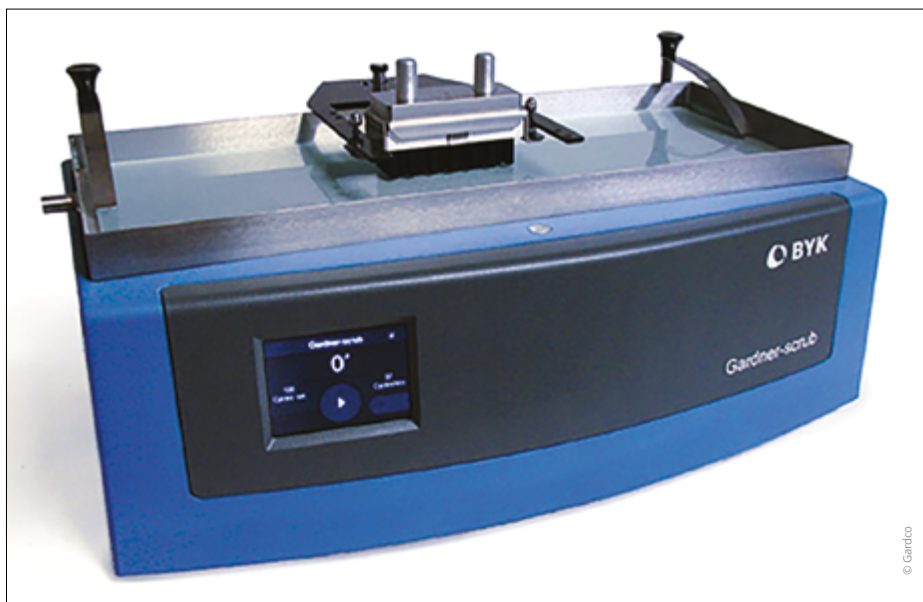
The most common applications are testing the scrub resistance of interior wall paints, floor tiles, shower stalls, and furniture surfaces. The abrasion tester can examine the washability of a coated surface for the removal of stains. Detergents and cleaning solutions can be tested and evaluated in a reproducible manner.

### Features

The Gardner-scrub abrasion tester offers a versatile design for abrasion and washability testing applications. The instrument arm is designed to hold from 1 - 3 brush holders or ISO pad holders. A large selection of accessories is available to customize your test requirements. An intuitive touch screen

operation makes it easy to change test parameters. The Gardner-scrub has a durable chain drive mechanism for long-term reliable operation.

- Reciprocating linear motion with a constant speed over the travel distance for repeatable results
- Compact design saves on counter space
- Easy to use touch screen display
- Instrument arm holds up to 3 brush or pad holders to increase output
- User selectable scrub rate from 6 - 60 cycle/minute
- Compliant with ASTM, DIN, and ISO methods with appropriate accessories
- Up to 4 kg (8.8 lbs) can be applied to the instrument arm
- Adjustable stroke length 22.9 - 27.9 cm (9 - 11 in.)
- Optional weights for custom applications
- Item Nos. WA-B5060, WA-B5061, WA-B5062, etc.



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For further information:  
[www.gardco.com](http://www.gardco.com)

## Cortec® EcoLine® 4320/4330 Stand Ready to Answer EPA Methylene Chloride Ban

Several months before the EPA announced its final rule banning methylene chloride from consumer paint stripper sales because of acute fatalities, Cortec® addressed the problem with the release of EcoLine® 4320 and 4330. These two biobased alternatives go above and beyond EPA requirements by not containing methylene chloride or N-methylpyrrolidone (NMP), another paint stripper chemical that has been frowned upon for potential adverse health effects<sup>1</sup> and which several retailers have already voluntarily chosen to discontinue.

EcoLine® 4320 and 4330 answer both concerns and are formulated with renewable materials and recycled solvent. EcoLine® 4320 and 4330 contain 50% USDA certified biobased content and are qualified products under the mandatory federal purchasing initiative of the USDA BioPreferred® Program (for more information, go to <http://www.biopreferred.gov>).

EcoLine® 4320 and 4330 have low odor and are VOC compliant to the California Regulation for Reducing Emission from Consumer Products.\* They do not contain any California Prop 65 components



Figure 1: EcoLine® 4320 and 4330 paint strippers by Cortec® are designed to remove coatings, inks, and resins from metal, concrete, and wood surfaces.

that cause cancer, birth defects, or other reproductive harm. They also do not contain chlorinated solvents, toluene, or acetone. EcoLine® 4320 and 4330 paint strippers are designed to remove coatings, inks, and resins from metal, concrete, and wood surfaces (**Fig. 1**). They are effective on a wide variety of paints and contain flash corrosion inhibitors to prevent rust and tarnishing throughout the stripping process (**Fig. 2**). EcoLine® 4320 should be used in dip tanks and on horizontal surfaces. EcoLine® 4330 is a gelled version for use on vertical, overhead, or complex surfaces. While the new EPA rule (which goes into effect in about six months) only addresses consumer product sales, Cortec® takes the precaution to a level higher by providing methylene-chloride-free strippers to the industrial market, as well, for the benefit of users in the workplace.

For further information: [www.cortecvci.com](http://www.cortecvci.com)

\*California Code of Regulations, Title 17, Division 3, Chapter 1, Subchapter 8.5, Article 2, Sections 94507-94517

#### References:

United States Environmental Protection Agency. "TSCA Work Plan Chemical Risk Assessment: N-Methylpyrrolidone: Paint Stripper Use." EPA Document# 740-R1-5002. Office of Chemical Safety and Pollution Prevention. March 2015. See pp. 49 and following at [https://www.epa.gov/sites/production/files/2015-11/documents/nmp\\_ra\\_3\\_23\\_15\\_final.pdf](https://www.epa.gov/sites/production/files/2015-11/documents/nmp_ra_3_23_15_final.pdf).



Figure 2: EcoLine® 4320 and 4330 paint strippers contain flash corrosion inhibitors to prevent rust and tarnishing throughout the stripping process.