



Green Clean Schools Leadership Summit

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THE ORIGINAL GREEN SEAL OF APPROVAL SINCE 1989

Green Seal Background

- 501 (c)(3) science-based non-profit founded in 1989
- Environmental mission with exclusive focus on products, services, purchasing, operations
- Standards encompass nearly 400 product & service categories
- Utilize a multiple criteria/life cycle approach
- No financial interest in certified products/services or in any manufacturer or company



GS-40 Floor-Care Products for Industrial & Institutional Use

Covers floor finish and floor finish stripper.

Floor finish – a product designed to polish, protect, or enhance floor surfaces by leaving a protective wax, polymer, or resin coating *that is designed to be periodically removed (stripped) and reapplied.*

Floor finish stripper – a product designed to remove floor finish through breakdown of the finish polymers, or by dissolving or emulsifying the finish, polish, or wax.

Pushing and Pulling Performance in the Supply Chain

- Slip Resistance
- Soil Resistance
- Removability
- Detergent Resistance

18% Low Solids Floor Finish

Floor Finish 20% Solids

33% Solids Premium Floor Acrylic Finish/Sealer

FLOOR FINISH 25% SOLIDS

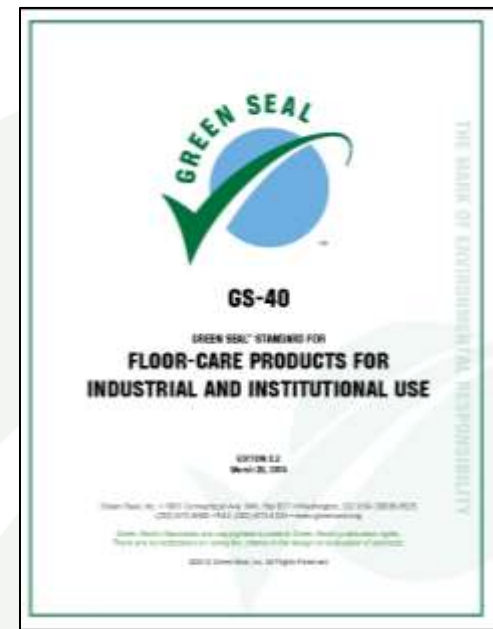
22% Solids Floor Finish

Better green polymers = better polish.



Human Health & Environmental Criteria in GS-40

- Acute Toxicity
- Carcinogens, Mutagens, and Reproductive Toxins
- Skin and Eye Corrosivity
- Skin Sensitization
- Flammability
- VOCs
- Aquatic Toxicity
- Eutrophication
- Aquatic Biodegradability
- Packaging
- Prohibited Ingredients
- Training
- Fragrances
- Labeling/User Instructions



What Goes Down Must Come Up

A Tale of Two Asthmagens in Strippers

AOEC Exposure Code	Primary Name	Synonym	A=Asthmagen	Rs=Sensitizer Rr=RADS Rrs=Both R=Meets neither G=Generally accepted	CAS
322.07	Ammonium Hydroxide, NOS	Ammonia	A	Rrs	1336-21-6
231.01	Monoethanolamine	2-Aminoethanol	A	Rs	141-43-5

Association of Occupational and Environmental Clinics (AOEC) Exposure Code System

Rs = sensitizer-induced asthma

Rr = irritant-induced asthma (Reactive Airways Dysfunction Syndrome - RADS)

Rrs = both

Trending: Non-Strippable Hard Floor Coatings

GREEN SEAL CERTIFIED

TerraGreen Red Diamond™
Polished Concrete Cleaner Maintainer

MIL 0 **2** 456789 ADJUSTER
Cleaning Strength
The higher the number the stronger the cleaning power.

- TerraGreen Red Diamond™**
Polished Concrete Cleaner Maintainer
- Significantly Enhances & Maintains Diamond-like Glass
 - Cleans and Conditions with Every Use
 - Helps Protect Concrete from Staining
 - Decreases Porosity & Strengthens Concrete

Spectacular gloss maintainer when used with a recommended diamond cleaning pad. Safe to use on mechanically polished concrete floors. TerraGreen Red Diamond helps protect concrete from staining and in combination with a diamond cleaning pad, cleans, revitalizes, restores and enhances gloss in one step. Compatible with concrete hardeners and densifiers.

Uses: Daily cleaning for mechanically polished concrete floors.
Training: Jobsite CleanPoint training card available.

Typical Specifications
 Typical Dilution: 1:512
 Working pH: 9.7
 Color: Red
 Odor: Citrus/Floral
 Hth. Rng. (In-Line): 1

Availability
Product No. 111011
 22 oz. Carton/6 (24)
 1 Gal/4 (04)
 2.5 Gal/2 (07)
 5.5 Gal (5)
 5 oz Pack/54 (0M)



Addition of “Non-Strippable” Finishes Beyond Wood and Metal

The screenshot shows the Green Seal website's 'green business' section. The top navigation bar includes links for 'about green seal', 'green living', 'green business', 'green governments & non-profits', 'news, events & publications', and 'find green seal products & services'. The 'green business' section is highlighted in a green box. Below the navigation, there are links for 'Blog', 'Get Involved', and 'Contact Us'. A sidebar on the left contains a menu with the following items: Standards (with sub-items: How Green Seal Develops Standards, Standards in Development, GS-11/47 Scope Expansion, GS-42 Revision, and Suggest a New Standard), Certification, Green Office Partnership, Using the Green Seal Mark, Resources & Links, Client Certification Portal, and Client Marketing Portal. The main content area features a large image of a woman holding a spray bottle, with a large Green Seal logo overlaid. Below the image is the section header 'GS-11 and GS-47 Scope Expansion'. The text below the header states: 'Green Seal is proposing a revision of our coatings standards, GS-11 and GS-47. This proposed update includes the following changes:'. A list of changes follows, with the second item highlighted in a red box: 'Additional product categories will be added to the scope of the standard: transparent wall coatings, floor coatings, concrete/masonry sealers, and fire resistant coatings. Anti-graffiti coatings and products containing nanoparticles will be explicitly excluded from the scope and therefore will not be certifiable under this standard.'

GREEN SEAL

about green seal | green living | **green business** | green governments & non-profits | news, events & publications | find green seal products & services

green business

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GS-11 and GS-47 Scope Expansion

Green Seal is proposing a revision of our coatings standards, GS-11 and GS-47. This proposed update includes the following changes:

- GS-11 and GS-47 will be combined into a single standard, titled **"GS-11, Green Seal Standard for Paints, Coatings, Stains, and Sealers."** GS-47 will then be withdrawn.
- Additional product categories will be added to the scope of the standard: transparent wall coatings, floor coatings, concrete/masonry sealers, and fire resistant coatings. Anti-graffiti coatings and products containing nanoparticles will be explicitly excluded from the scope and therefore will not be certifiable under this standard.
- The limits on Volatile Organic Compounds (VOCs) will be updated to reference California Air Resources Board (CARB) regulations.
- VOC measurement methods will be harmonized with programs that regulate VOCs by including evaluation of VOCs by formulation data and difference methods (e.g. CARB Method 310), in addition to the GC/MS methods currently specified.
- The definition of VOCs will be harmonized with VOC regulatory programs, and individual VOCs will be evaluated only for compounds present in the product above 0.01%.

Promotional Graphics for Product Use



Contact Information



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