



## SPECTRUM ECO-PREP

DATA SHEET NO. 3300-900

### Eco-Friendly, Water-Based, Concrete Surface Preparation Gel

#### DESCRIPTION

SPECTRUM ECO-PREP is a water-based, environmentally and user-friendly surface preparation gel for concrete and masonry substrates. SPECTRUM ECO-PREP is designed to provide a moderate surface texture to concrete and/or other masonry surfaces prior to the application of concrete stains, sealers, penetrating surface treatments, etc. SPECTRUM ECO-PREP is formulated to offer a safe, easy-to-use alternative to corrosive, hazardous, and inorganic acid-based, concrete/masonry surface preparation products. SPECTRUM ECO-PREP is non-corrosive, low odour, VOC-compliant, and contains no hazardous inorganic acids.

#### USES

SPECTRUM ECO-PREP is specifically formulated to prepare concrete or masonry surfaces by providing a moderate surface texture/profile. SPECTRUM ECO-PREP was initially formulated to be used prior to applying SPECTRUM WATER-BASED STAIN from W. R. MEADOWS, but it can be used anywhere a moderately textured/profiled concrete/masonry surface is desired.

NOTE: SPECTRUM ECO-PREP is not designed to remove any material(s) that would inhibit the proper adhesion/bond of SPECTRUM WATER-BASED STAIN (or alternative product) to the concrete/masonry surface. This includes, but is not limited to: grease; glues/mastics; paints/coatings; concrete curing compounds; adhesives; form release; and penetrating products such as silicates, silanes, siloxanes, etc. Use an appropriate, commercially available chemical and/or mechanical concrete/masonry stripper as needed to completely remove previous product(s), treatment(s), coating(s), etc.

#### FEATURES/BENEFITS

- Eco-friendly, water-based formulation.
- User-friendly alternative to hazardous, organic acid-based etching compounds.

- Easy cleanup, no acid disposal.
- Low odour.
- Non-flammable, non-combustible
- Non-corrosive
- VOC compliant.

#### PACKAGING

7.58 L (2 U.S. Gallon) containers, 18.93 L (5 U.S. Gallon) pails

#### COVERAGE

Approximately 6.1 m<sup>2</sup>/L (250 ft.<sup>2</sup>/gal.). Coverage will vary due to porosity, profile, application technique, and condition of the concrete/masonry substrate, etc.

#### SHELF LIFE

One (1) year in unopened, factory-sealed container. Store in a dry area away from moisture at 4 - 43°C (40 - 110°F).

#### TECHNICAL DATA

Appearance:	Green Liquid
Solids, Wt. %:	40 +/- 1
Weight per 3.79 litres (1 U.S. gal.):	4.5 kg (9.9 lbs.)
VOC, g/L	0
Flash Point, °C (°F):	>100 (>212)

#### SPECIFICATIONS

- Complies with all applicable federal, state, district, and local AIM VOC regulations.

#### APPLICATION

**Interior Applications ...** The following instructions are to be used to prepare the concrete/masonry surface to receive SPECTRUM WATER-BASED STAIN. If a product other than the SPECTRUM WATER-BASED STAIN will be applied, please consult the product manufacturer for recommended surface preparation, application instructions, etc.

Continued over ...

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- 1) Thoroughly protect all adjacent areas, including, but not limited to: exposed metal, door knobs, walking strips, etc. - anything that is not going to receive SPECTRUM ECO-PREP.
- 2) Using an appropriate, commercially available chemical and/or mechanical concrete/masonry stripper, thoroughly remove any paint, coating, concrete curing compound, adhesive etc. from the concrete PRIOR to applying SPECTRUM ECO-PREP. Follow all manufacturers' instructions regarding use, health and safety information, etc.
- 3) Using a ½" nap roller, liberally apply SPECTRUM ECO-PREP to a 20' x 20' section of the slab. A 4 - 5 mil wet film thickness is recommended.
- 4) Allow the SPECTRUM ECO-PREP gel to remain on the slab for a minimum of 20 minutes. Additional "soak" time may be necessary for substrates such as extremely dense surfaces, burnished concrete, etc.
- 5) If a power washer is available, remove SPECTRUM ECO-PREP from the surface using an overlapping pattern for complete removal. [A 0° rotating nozzle, with 12,000 work units (work units = gallons per minute x psi) system is recommended.]
- 6) If a power washer is not available, agitate SPECTRUM ECO-PREP on the surface using an industrial floor buffer (for smaller areas) or an auto-scrubber equipped with brush attachments (for larger areas). Continue agitation/scrubbing action while rinsing the surface with clean, potable water.
- 7) Remove all residual rinse water and residue from the surface using a wet/dry vacuum, or if using an auto-scrubber, lower the squeegee uptake bar.
- 8) Continue to agitate, flush, rinse, and remove residual water and residue from the surface until the rinse water is clear and no gel residue remains on the concrete.
- 9) If additional profiling is desired, repeat steps 2 – 8 as needed.
- 10) After the surface is thoroughly cleaned, has achieved the desired profile (as described earlier), and has no standing water present, apply several 1' strips of high quality 2" packaging tape to multiple locations/sections throughout the slab.
- 11) Aggressively press the tape onto the floor with the heel of your hand.
- 12) Fold one end of the tape into itself and pull it off of the floor as vigorously as possible.
- 13) Examine the underside of the tape in a well lit area to determine if there is any dust, residue, or other foreign material/particles present. The tape should contain very little (if any) dust or foreign material/particles.
- 14) For sections of the slab in which the tape does contain visible dust, foreign material/particles, etc., repeat steps 1-14 as needed.

- 15) If tape does not contain any dust or foreign material/particles, proceed to the DILUTION and APPLICATION sections of W. R. MEADOWS publication - DETAILED APPLICATION INSTRUCTIONS FOR SPECTRUM WATER-BASED STAIN.

**Exterior/Broom-Finished Applications ...** The following instructions are to be used to prepare the concrete/masonry surface to receive SPECTRUM WATER-BASED STAIN. If a product other than the SPECTRUM WATER-BASED STAIN will be applied, please consult the product manufacturer for recommended surface preparation, application instructions, etc.

- 1) Using a straight edge, shovel, or other tool, remove and "level" any peaks or high profiles present on the surface. This method of scraping/levelling is typically sufficient to produce a level surface. If left on the surface, these peaks/high profiles will erode faster than the remainder of the slab, producing unstable areas which will adversely affect the adhesion of SPECTRUM WATER-BASED STAIN.
- 2) Thoroughly protect all adjacent areas that are not to receive SPECTRUM ECO-PREP.
- 3) Using an appropriate, commercially available chemical and/or mechanical concrete/masonry stripper, thoroughly remove any paint, coating, concrete curing compound, adhesive, etc. from the concrete PRIOR to applying SPECTRUM ECO-PREP. Follow all manufacturers' instructions, regarding use, health and safety information, etc.
- 4) Using a ½" nap roller, liberally apply SPECTRUM ECO-PREP to a 20' x 20' section of the slab. A 4 - 5 mil wet film thickness is recommended.
- 5) Allow the SPECTRUM ECO-PREP gel to remain on the slab for a minimum of 20 minutes. Additional "soak" time may be necessary for some substrates.
- 6) If a power washer is available, remove SPECTRUM ECO-PREP from the surface using an overlapping pattern for complete removal. [A 0° rotating nozzle, with 12,000 work units (work units = gallons per minute x psi) system is recommended.]
- 7) If a power washer is not available, agitate SPECTRUM ECO-PREP on the surface using an industrial floor buffer (for smaller areas) or an auto-scrubber equipped with brush attachments (for larger areas). Continue agitation/scrubbing action while rinsing the surface with clean, potable water.
- 8) Remove all residual rinse water and residue from the surface using a wet/dry vacuum or, if using an auto-scrubber, lower the squeegee uptake bar.

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**WARRANTY:** W. R. Meadows of Western Canada warrants that, at the time and place we make shipment, our materials will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM OF TRADE OR OTHERWISE. As the exclusive remedy for breach of this Warranty, we will replace defective materials, provided, however, that the buyer examine the materials when received and promptly notify us in writing of any defect before the materials are used or incorporated into a structure. Three (3) months after W. R. Meadows of Western Canada has shipped the materials, all our Warranty and other duties with respect to the quality of the materials delivered shall conclusively be presumed to have been satisfied, all liability therefore terminates and no action for breach of any such duties may thereafter be commenced. W. R. Meadows of Western Canada shall in no event be liable for consequential damages. Unless otherwise agreed to in writing, no warranty is made with respect to materials not manufactured by W. R. Meadows of Western Canada. We cannot warrant or in any way guarantee any particular method of use or application or the performance of materials under any particular condition. Neither this Warranty nor our liability may be extended or amended by our salesmen, distributors or representatives, or by our distributor's representatives, or by any sales information or drawings.

- 9) Continue to agitate, flush, rinse and remove residual water and residue from the surface until the rinse water is clear and no gel residue remains on the concrete.
- 10) If additional profiling is desired, repeat steps 1-10 as needed.
- 11) After the surface is thoroughly cleaned, has achieved the desired profile (as described earlier), and has no standing water present, apply several 1' strips of high quality 2" packaging tape to multiple locations/sections throughout the slab.
- 12) Aggressively press the tape onto the floor with the heel of your hand.
- 13) Fold one end of the tape into itself and pull it off of the floor as vigorously as possible.
- 14) Examine the underside of the tape in a well lit area, to determine if there is any dust, residue, or other foreign material/particles present. The tape should contain very little (if any) dust or foreign material/particles.
- 15) For sections of the slab in which the tape does contain visible dust, foreign material/particles, etc., repeat steps 1-15 as needed.
- 16) If tape does not contain any dust or foreign material/particles, proceed to the DILUTION and APPLICATION Sections of W. R. MEADOWS - DETAILED APPLICATION INSTRUCTIONS FOR SPECTRUM WATER-BASED STAIN.

**Cleanup ...** While SPECTRUM ECO-PREP is still wet, immediately clean work area, application equipment, tools, etc.

#### PRECAUTIONS

- Use SPECTRUM ECO-PREP as supplied – no dilution necessary.
- For optimum appearance and performance, it is recommended that new concrete or other porous surfaces be a minimum of 28 days old prior to the application of SPECTRUM ECO-PREP.
- Prior to using SPECTRUM ECO-PREP with SPECTRUM WATER-BASED STAIN, please carefully read and follow the data sheet, MSDS, and W. R. MEADOWS - DETAILED APPLICATION INSTRUCTIONS FOR SPECTRUM WATER-BASED STAIN.
- If SPECTRUM ECO-PREP is used to prepare a surface that will be treated with any product(s) other than SPECTRUM WATER-BASED STAIN, please consult the product manufacturer for recommended surface preparation/application instructions etc.
- SPECTRUM ECO-PREP is not designed to remove paint, coatings, adhesives etc. Use an appropriate, commercially available chemical and/or mechanical concrete/masonry stripper to thoroughly remove any paint, coating, concrete curing compound, adhesive, etc. from the concrete PRIOR to applying SPECTRUM ECO-PREP. Follow all manufacturers' instructions regarding use, health and safety information. etc.

- Paints, coatings, adhesives, etc. must be thoroughly removed prior to the application of SPECTRUM WATER-BASED STAIN.
- **Prior to a full-scale application, ALWAYS test a small section of each surface to be treated, using the same applicator, equipment, temperatures/conditions, surface preparation, application techniques, etc.**
- Not recommended for dense surfaces, such as glazed tile, marble, granite, dense brick, dense slate, terrazzo, etc.
- Not intended for use on a surface that will be subsequently acid-stained.
- Inconsistencies in jobsite conditions, application techniques, porosity of the substrate, temperatures, weather conditions, etc., may produce variations in the appearance and/or adhesion of the final product being applied to the substrate
- Not recommended for (including but not limited to): metal, resin, fiberglass, vinyl, rubber, glazed tile, non-porous substrates.
- Do not combine with acid-etching as a cleaning/surface preparation method.
- Thoroughly protect all adjacent areas that are not to receive SPECTRUM ECO-PREP.
- **KEEP FROM FREEZING**

#### HEALTH AND SAFETY

Direct contact may result in mild irritation. Refer to material safety data sheet for complete health and safety information.

#### 2004 MASTERFORMAT NUMBER AND TITLE

09 93 00 - Staining and Transparent Finishing

#### LEED INFORMATION

May help contribute to LEED credits:

- MR Credit 5.1: Regional Materials: 10% Extracted, Processed & Manufactured Regionally
- MR Credit 5.2: Regional Materials: 20% Extracted, Processed & Manufactured Regionally
- IEQ Credit 4.2: Low Emitting Materials – Paints and Coatings

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