



GREENSOLV
ENVIRONMENTAL PRODUCTS

PRE-PAINT GUIDE

The life of a coating depends as much on the degree and quality of surface preparation as on the selected coating system.

HOW TO PREPARE CONCRETE BEFORE PAINTING

According to SSPC (The Society for Protective Coating)

TYPES OF CONTAMINANTS:

- OIL AND GREASE
- DIRT
- PAINT[†]
- LAITANCE
- EFFLORESCENCE
- SALTS
- FORM-RELEASE AGENTS

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MADE IN CANADA

BEFORE PAINTING, MAKE SURE THAT:

1. Concrete has dried for 30 days between 20 et 25°C
2. pH is between 6 and 9*
3. Humidity is minimal**
4. Ambient temperature is above 10°C
5. Surface is free of the following contaminants:
 - Oil and grease, dirt, paint[†], laitance, efflorescence, salts, form-release agents

NEW CONCRETE – CLEANING & ETCHING

Cleans: Efflorescence, laitance, dirt, salts, form-release agents

Product:

G-CLEAN 307 – CLEAN & ETCH – concentrate

- Dilution: 50% G-CLEAN 307 / 50% water
- Coverage: 450 sq. ft./gallon – diluted solution (50/50 ratio)

OLDER CONCRETE – DEGREASING FOLLOWED BY CLEANING & ETCHING

For **PAINTED SURFACES**, depending on the customer's needs and the agreement between the parties, adherent paint might not have to be removed before repainting. **You have 2 options:** **1.** you remove the old coating with a chemical stripper (ex: Greensolv 273D) or an abrasive before repainting; **OR 2.** you apply a new coating on top of the previous one. In this case, it is crucial that loose paint be removed with manual tools. Sanding the surface of the old paint will maximize the adherence of the new coating system. The use of G-CLEAN 307 to clean & etch the surface is not required for painted sections but it is for bare concrete. For concrete surfaces covered by more than 80% to 90% of adherent paint, the use of G-CLEAN 307 is probably not required.

Cleans: Oil and grease, dirt, form-release agents, efflorescence, salts, laitance

Products:

G-MAX 304 – DEGREASER – concentrate

- Concentration: 40% G-MAX 304 / 60% water
- Coverage: 375 sq. ft./gallon – diluted solution (40/60 ratio)

G-CLEAN 307 – CLEAN & ETCH – concentrate

- Concentration: 50% G-CLEAN 307 / 50% water
- Coverage: 450 sq. ft./gallon – diluted solution (50/50 ratio)

G-CLEAN 307
0% VOC
Biodegradable



G-MAX 304
0% VOC
Biodegradable

[†]Depending on the customer's needs and the agreement between the parties, adherent paint might not have to be removed before repainting. However, it is crucial that loose paint be removed with manual tools. Sanding the surface of the old paint will maximize the adherence of the new coating system.

*pH testing, we recommend the use of pH paper. Wet a small concrete surface with a thin film of water; wait 2 to 5 minutes then apply the pH paper on the wet surface.

**Humidity test. Apply a plastic drop sheet (4 mils) taped hermetically on its edge on a 1 to 3 sq. ft. surface. Wait 16 hours and look for traces of humidity. If you find condensation, the concrete is not ready to be painted.

STEP 1

DEGREASING AND WATER RINSE



WHEN HEAVILY CONTAMINATED, FOLLOW THESE TIPS:

1. Once applied, scrub the surface with a brush
 2. When diluting or rinsing, use warm or hot water
 3. Let the product work on the surface for up to 30 minutes (reapply product if surface dries)
- Prepare a solution of DEGREASER by adding 60% water to a volume of 40% G-MAX 304
 - Apply G-MAX 304 on the surface to be cleaned with a sprayer or a floor mop
 - Let work for 5 to 10 minutes
 - Scrub the surface with a brush, a rag or a pressure washer
 - Rinse with plenty of water until foam disappears

STEP 2

CLEAN & ETCH AND WATER RINSE



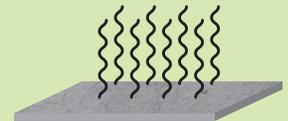
Note: for safety reasons, add **G-CLEAN 307** in water and not the opposite. **It is important to treat the concrete surface by 10m² (100 sq. ft.) sections.** If the product dries out OR is not rinsed properly, white salts deposits could appear on the surface. They are difficult to remove. Once applied on the surface, **it is important to flush the product with sufficient water.** Use a minimum of 20 litres of water per 10m² (100 sq. ft.) section.

- Prepare a solution of CLEAN & ETCH by adding 50% water to a volume of 50% G-CLEAN 307
- Apply G-CLEAN 307 on the surface to be cleaned with a sprayer or a floor mop
- Let work for 15 minutes (keep the surface wet with the G-CLEAN 307 solution, if it dries, reapply)
- Rinse the surface with plenty of water until foam disappears
- Make sure the surface pH is between 6 and 9 (water has a pH of 7, rinsing with water helps bring the pH in the right range)

STEP 3

AIR DRY

(min. 24 to 48 hours)



- Let the surface dry for a minimum of 24 to 48 hours, you can do the humidity test (as described in the previous page) for more caution before proceeding to the next step

STEP 4

APPLYING A NEW COATING



- At this point, the concrete surface is dry, free of contaminants and has a surface profile, all of which will maximize the coating adherence
- You can now start painting