



Tips For Working With “Low-VOC” Exempt Solvent Sealers



Some state environmental agencies have mandated a reduction in the use of materials containing Volatile Organic Compounds (V.O.C.'s). These “low-VOC” states have imposed strictly enforced limitations on the quantity of VOC (measured in grams per Liter or “g/L”), requiring manufacturers like ChemMasters to utilize “exempt” solvents (solvents with no VOC content) to produce cures and sealers.

In response to these regulations, ChemMasters introduced a family of “low-VOC” products using exempt solvents. These alternative solvent products are designated with an “A” and referred to as our “A-Team”.

ChemMasters A-Team

Spray-Cure & Seal 25-A	Polyseal-A
Aquanil Plus 40-A	Polyseal EZ
Traz 25-A	Crystal Clear-A
Stamped & Decorative	Silencure-A
Concrete Sealer 400-A	

Although exempt solvent chemistries are more environmentally friendly, they do pose some unique challenges during use and application. Exempt solvents evaporate more quickly, and can result in:

- More frequent bubble formation in the sealer
- Stringing or “cob-webbing” during application
- Unintentional over application
- Loss of sealer permeability or breathability
- More frequent “whitening” or “blushing” of the sealer

By making some adjustments to how and when you apply exempt solvent concrete sealers and cure & seals, you will find that ChemMasters “A-Team” products will give you all the advantages of solvent-based products with trouble free installations.

Tech Tips:

- Consider using one of ChemMasters specially formulated bubble & whitening resistant products. These products can be safely used in most environmental conditions (high temperatures & wind) that are problems for most “low-VOC” sealers.

Polyseal EZ Stamped & Decorative Concrete Sealer 400-A

- Spray apply using a low pressure, solvent resistant airless sprayer equipped with a fan nozzle orifice of 0.020” to 0.035” at ½ to 1 gpm.
 - The optimum spray pattern is an 8” to 12” fan, holding the tip 8” to 12” above the concrete surface.
 - Be careful to apply uniformly as uneven spray patterns will be evident in the cured sealer.
 - Maintain adequate sprayer pressure.
 - Backroll with a short nap, solvent resistant roller cover for uniformity.
 - Use xylene or xylol to keep your roller cover clean and free of strings and cobwebbs.
- Roller apply using a short nap, solvent resistant roller cover.
 - Be careful to apply uniformly as uneven roller patterns will be evident in the cured sealer.
 - Use xylene or xylol to keep your roller cover clean and free of strings and cobwebbs.
- Do not over apply. Carefully adhere to recommended application rates. More is not better!
- Do not allow to puddle.
- Avoid applications during the heat of the day, or under windy conditions. Cool, overcast days are optimum.

Consult with ChemMasters Technical Service Department if “whitening” or bubbling occurs, or with questions you may have regarding the proper use of “low-VOC” sealers or any ChemMasters product.