

TD.425 - QUICK NOTES: Using CSS EMULSION™

Revised: 2/15/22 Version: 1.1

The following guide is designed to assist the experienced installer with the application of CSS EMULSION™.

Before the application of CSS EMULSION™, please read and understand the Product Information Sheets, Technical Data Sheets and Safety Data Sheets pertaining to all of the products to be used. Improper preparation, application or understanding of other important variables may result in job failure and/or personal injury. Also check with local VOC laws pertaining to use.

Description	A highly concentrated, clear, single component, high quality sealer emulsion that must be diluted with a compatible solvent prior to use.
Designed for	Providing a clear, protective sealer to: <ul style="list-style-type: none"> • Concrete • Stamped concrete • Cementitious polymer modified overlays • Exterior use only in areas a adequate ventilation away from food, animals or open flames • Not recommended for interior use - HIGHLY FLAMMABLE MATERIAL
Preparation	<ul style="list-style-type: none"> • The surface being sealed must be dry to the touch. Test the surface by adhering a 1' long piece of masking tape to the surface. If the tape is sufficiently adhered, the surface can be sealed. • The surface must be clean of oil, dirt, paint or anything that will interfere with bond. • Mask or protect surrounding areas for over spray. • Provide ventilation for enclosed work areas.
Application	<ul style="list-style-type: none"> • Typical dilution is 1:1 to 3:1 with compatible VOC complaint solvent such as DMC or PCBTF. Xylene or lacquer thinner is not recommended as they are not VOC compliant. DO NOT USE paint thinner, mineral spirits or acetone. • Diluted CSS EMULSION™ can be applied with a pump up type or airless sprayer or a shed free roller cover. • For additional dilution recommendations see TD.426. • Apply at the following rates: <ul style="list-style-type: none"> ✓ 350 sq. ft. per diluted gallon - Smooth concrete ✓ 300 sq. ft. per diluted gallon - Broom finished concrete or overlay ✓ 200 sq. ft. per diluted gallon - Stamped concrete or thin stamped overlay ✓ 125 sq. ft. per diluted gallon - Splatter texture or knockdown • Second or consecutive coats must be applied before 3 hours after the last coat or after 24 hours.
Advantages	<ul style="list-style-type: none"> • Concentrated. One 5 gallons pail will yield 10 to 30 gallons of a high quality methyl-methacrylate base sealer. • Higher performance characteristics compared to acrylic base sealers, including: <ul style="list-style-type: none"> ✓ Salt resistance ✓ UV resistance ✓ Water resistance ✓ Freeze/thaw resistance ✓ Petrochemical resistance ✓ Wear resistance
Disadvantages	<ul style="list-style-type: none"> • HIGHLY FLAMMABLE. Do not use as interior sealer or in non-ventilated confined areas. Always ensure adequate ventilation and extinguish flames, pilot lights, etc.
Packaging	<ul style="list-style-type: none"> • 1 gallon cans, 5 gallon pails – 36 pails per pallet or 55 gallon drums.
Material Cost	<ul style="list-style-type: none"> • \$0.08 to \$0.17 per square foot, per coat.
Additional Documents	<ul style="list-style-type: none"> • SDS.414 - CSS EMULSION™ • TD.414 - Technical Data - Sealer Options • TD.426 - Technical Data & Product Information - CSS EMULSION™