

TD.426 – TECHNICAL DATA: CSS EMULSION™

Revised: 3/16/2023 Version: 1.3

Product Class: Thermoplastic acrylic resin sealer

Description: CSS EMULSION™ is a proprietary 53% solution of an acrylic copolymer with methyl methacrylate resin dissolved in a high flash aromatic solvent. Solids reduction may be accomplished with an aromatic or oxygenated VOC compliant solvents such as dimethyl carbonate. Xylene or lacquer thinner is not recommended as they are not VOC complaint. Check with local, state and federal VOC laws before use.

CSS EMULSION™ dries by solvent evaporation and saturation into the substrate to form a very tough protective film that adheres well to concrete, polymer concrete coatings, masonry, and other suitable surfaces. CSS EMULSION™ exhibits outstanding resistance to water, a variety of chemicals, and to yellowing due to exposure to ultraviolet light.

DANGER FLAMMABLE LIQUID – Do not use indoors or in unventilated exterior areas

PRECAUTIONS: Keep away from heat, sparks and flame. Vapors may cause flash fire. Do not smoke. Extinguish all flames and pilot lights and turn off stoves, heaters, electric motors and other sources of ignition during use until all vapors are gone. Prevent build-up of vapors by achieving adequate ventilation. Do not use indoors or in unventilated areas.

Use Applications:

- Exterior concrete sealer over thin surface repairs and resurfacing.
- Exterior sealer over thin polymer modified decorative overlays, included but not limited to: Splatter texture/knockdown applications, base/skim coats, broom finishes, thin stamped overlays, stenciled cement and more.
- Exterior sealer for full depth stamped concrete applications.
- Exterior sealer for stained or colored concrete applications.

Key Features:

- Sold as a concentrate to increase yield and allow users to determine specific performance needs.
- Increased levels of water, chemical, UV and abrasion resistance.
- Increase versatility and application range.
- VOC exempt via exempt solvents such as dimethyl carbonate for solids reduction.

Physical Properties @77° F / 24° C, 50% R.H.	
Appearance	Clear, colorless, thick viscosity solution
Odor	Light ester solvent
Flash point	100° F / 38° C minimum
Film properties: Pencil hardness	6H
Viscosity @ 77° F / 25° C	Z3
VOC of 100 g/L	
Weight, lb. per gallon	8.2 – 8.3
Application temperature	35° F / 2° C to 110° F / 43° C
Cure schedule @ 70° F / 21° C	<1 hour

Suggested Storage:

- Store in a temperature and weather-controlled area between 65° F / 18° C and 85° F / 29° C.
- Do not allow to freeze.
- Shelf Life: 1 year in original unopened containers.

Available packaging:

- 1 gal, 5 gal, or 55 gal drums