



REMR MATERIAL DATA SHEET CM-SE-1.64

CONCRETE SEALER: ELASTOID 1300

1. NAME	Weight per gal	8.1 ± 0.2 lb
Elastoid 1300	Viscosity	4,000-6,500 cps
2. MANUFACTURER	Temperature limitations	
Dampney Company, Inc.	Continuous	-55 °F to 150 °F
85 Paris Street	Intermittent	175 °F max
Everett, Massachusetts 02149	Immersion service	125 °F max
Telephone: 617-389-2805		
3. DESCRIPTION	Tensile strength	1,000 psi
Elastoid 1300 is a single-package, high-build, elastomeric coating and vapor barrier.	Elongation	200%
	Permeability	0.0024 U.S. perm inch
4. USES	Dry film thickness per coat	8 to 10 mils
This sealer is used for waterproofing and vapor barrier applications.	Wet film thickness per coat	23 to 28 mils
5. MANUFACTURER'S TECHNICAL DATA*	Theoretical coverage per gal	600 ± 50 mils sq ft
<u>Properties:</u>	<u>Application temperatures:</u>	
Generic type	Copolymer rubber	<u>Normal</u> <u>Minimum</u> <u>Maximum</u>
Colors	White and custom colors	Ambient air 60-90 °F 35 °F 120 °F
Finish	Flat	Substrate 65-85 °F 35 °F 120 °F
Number of Components	One	Coating material 65-85 °F 50 °F 85 °F
Solids, percent by volume	38	Humidity 35-80% 10% 90%
		<u>at 50 °F at 70 °F at 90 °F</u>
		<u>Drying time:</u>
		To touch 2 hr 1 hr 30 min
		To recoat 4 to 8 hr 2 to 4 hr 1 to 2 hr

* Manufacturer's Bulletin 1300

Final cure: (3-coat system)
Non-immersion service

at 50 °F at 70 °F at 90 °F
4 days 2 days 1 day
Immersion service 14 days 7 days 4 to 5 days

Pot life: Unlimited

Flash point: 83 °F (28 °C)
(Pensky-Martens)

Shelf life: 1 year

6. MANUFACTURER'S GUIDANCE FOR APPLICATION

Surface preparation: Surfaces must be clean, dry, and free from dust, dirt, efflorescence, or other foreign matter.

New concrete construction: Allow new concrete and masonry to cure for 4 weeks under normal conditions before application of Elastoid 1300. Allow additional drying time if surface has been wetted or if rain has fallen in the past 3 or 4 days.

Remove any grease or oil stains by solvent wiping or by scrubbing surface thoroughly with a 2 to 4 percent solution by weight of trisodium phosphate (TSP) in hot water, or by steam-detergent cleaning. Wash down surface with clean water and allow to dry thoroughly for at least 3 days, under favorable conditions before application of Elastoid 1300.

Remove salt deposits from efflorescence, laitance, and glaze by scraping and wire brushing followed by etching with a 5 to 10 percent solution by weight of hydrochloric (muriatic) acid. (One gal of this solution will treat 5 sq yd.) Apply the acid solution with a stiff bristle brush or street broom. Continue scrubbing or agitating until bubbling stops (about

15 min). Wash down with clean water to remove all acid, slush, and loose material. Neutralize surface with a rinse of a 1.0 percent solution by weight of ammonia. (Approximately one gal per 5 sq yd). Follow with a final flush with clean water. Allow to dry thoroughly for at least 3 days under favorable conditions, before application of Elastoid 1300.

Primer is not required for application to concrete or wood substrates. For application to other surfaces consult Dampney for recommendations.

Old construction: Completely remove previously applied paints or coatings by sandblasting, exercising care not to damage the underlying substrate. Follow by washing down with clean water to remove all dust and residues. Remove all other contaminants by one or more of the methods described above. Allow to dry thoroughly for at least 3 days, under favorable conditions, before application of Elastoid 1300.

Application guidelines: Elastoid 1300 is formulated primarily for application by airless spray, but it can also be applied by brush or roller.

Apply only over clean, dry, properly prepared or primed surfaces.

Caution: Elastoid 1300 contains xylo and is flammable. Keep away from heat, sparks, and flame. Use only with adequate ventilation. Avoid contact with eyes and skin. Avoid breathing of vapor or spray mist.

7. CORPS OF ENGINEERS' EVALUATION (tested as concrete sealers only)

Physical and mechanical properties:

Percent solid (ASTM D 1644, Method A): 41.9%

Percent moisture absorption
(ambient temp) (ASTM C 642-82):

1 day	0.01%
2 days	0.03%
4 days	0.04%
7 days	0.04%

Ratio of percent moisture absorption
for treated to nontreated specimen
(2-day submersion): 0.64%

8. ENVIRONMENTAL CONSIDERATIONS

Reasonable caution should guide the preparation, repair, and cleanup phases of activities involving potentially hazardous and toxic chemical substances. Manufacturer's recommendations to protect occupational health and environmental quality should be carefully followed. Material safety data sheets must be obtained from the manufacturers of such materials. In cases where the effects of a chemical substance on occupational health or environmental quality are unknown, chemical substances should be treated as potentially hazardous toxic materials.