

Product Data Sheet

No. 1214 - 04/09

MARKING CHALK

SPECIALTY MARKING COATINGS

GROUND TRAFFIC/MARKING COATINGS; AEROSOL VOC \leq 66%, CARB MIR \leq 1.20

PRODUCT NUMBERS: 214 - Blue 215 - White 216 - Red 217 - Orange 218 - Yellow 219 - Green

I. GENERAL DESCRIPTION

Features: A unique, temporary, water-based marking chalk. This product is safe for use at all construction, utility, and survey sites. Aervoe Water-Based Marking Chalk is packaged to operate upside down by hand or in an Aervoe Spot Marker #244, or Marking Stick #245 applicator with or without the cap on.

Benefits: This product is a true water-based formula, not "water added" for cost reduction formula. It is covered by its own U.S. Patent #5,158,069. Adhesion is provided by non-resin binders and low pigment solids in a slurry that holds the chalk together as the mark dries. It is a fast-drying chalk designed for **temporary** marking. The mark will naturally disappear with water, traffic, or other abrasions.

Uses: Aervoe Marking Chalk is designed to temporarily mark most paved surfaces, soil, and grass. Use for utility marking, construction sites, surveying, landscaping, and athletic field marking. For golf course marking, use Aervoe Water-Based Turf Marking Paint. For aisle striping in warehouses, parking lots, or traffic lines, use Aervoe Striping Paint.

Application: Shake can for 1 to 2 minutes after rattle agitator ball is heard. Remove safety tab, invert can, and apply 3 to 4 inches from the surface for writing symbols and numbers. Apply 5 to 8 inches from the surface for 3/4" line or continuous direction tracks. Product will appear transparent when first applied; full opacity is achieved in 3 to 5 minutes. Keep can in motion during use to prevent puddling due to high delivery paint stream. For best results, use at temperatures between 50° and 80°F (10° and 27° C). If cap has been removed, replace it for storage and color identification. Clear spray tip after each use by turning can upright and spraying for 2 to 3 seconds.

Limitations: Please refer to the Material Safety Data Sheets for specific information on material hazards, etc. This aerosol product is designed to spray **upside down** or at an angle not greater than 30° from vertical. Use caution if surface is wet, or if rain is imminent within 4 hours of application. Do not apply additional product until the previous coat is dry. On fresh asphalt or other porous surfaces, removal may be hampered due to solvent/pigment penetration.

Packaging:

Aerosol:	Cans (211 x 713)	15 oz. net wt.	(425 grams)	14.8fl. oz.	(437ml)
	Case - 12 cans/case	16 lbs.	(7.3kg)	.55 CF	(.016 CM)



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II. CHARACTERISTICS AND PROPERTIES

Average for all colors

Specifications: Colors formulated to approximate standards set by OSHA and APWA/One Call systems. These products meet the CARB MIR regulations.

Appearance:

Gloss at <60° <5%
Class Flat

Coverage:

Aerosol

Theoretical—at 1 mil dry 464 linear ft./can
Practical—at 1/2 mil dry 928 linear ft./can

Drying Schedule: (At 77°F [25°C], 50% Humidity at 1 mil, dry)

To touch 8 min.
To handle 15 min.
Full cure 8 hrs.
To recoat Not required

Performance and Chemical Properties:

Weight per gallon 8.13 lbs.
Specific gravity 0.98
Viscosity Not applicable
Flammability: Label marking Not applicable
Flash point Not applicable
Operating temperature range 50° to 80°F (10° to 27°C)
Percent solids by weight 27%
Percent solids by volume 16%
Percent pigment by volume 7%
Volatile Organic Compound level <66%
CARB MIR ≤1.20
Interior durability Poor
Exterior durability Poor
Temperature resistance Not applicable
Color fastness Fair
Adhesion Poor
Salt spray corrosion Not applicable
Mineral spirits resistance Poor
Gasoline resistance Poor
Motor oil resistance Poor
Pencil hardness Not applicable

Base Materials

Resin system None
Solvents (top two) Water/Alcohol
Propellant system Dimethyl Ether

III. SHIPPING, STORAGE AND HEALTH

IMDG number 1950
D.O.T. container spec 2P
D.O.T. shipping description Consumer commodity
Warehouse storage level number NFPA 30B Level 2
Hazardous class (CFR-49) **ORM-D**
Storage temperature 40° to 120°F (4° to 49°C)
Shelf life 12 to 24 months
HMIS ratings
Health 1
Fire 2
Reactivity 1

IV. MISCELLANEOUS

Contains no Ozone Depleting Substances (O.D.S.).

V. WARRANTY

The statements made herein, on labels, product bulletins or by any of our employees or agents concerning this material are given for information only. Any liability whatsoever of Aervoe Industries to the user of the product, is limited to replacement of the product or purchase price refunded. No. 1214-04/09