

PRODUCT DATA SHEET



Water-Based Bead Marking Ink

High Adhesion, Low and High Viscosities

TA-series

Water-Based Bead Marking Ink, also referred to as *TA-series* ink, is a co-curable product typically used in tire manufacturing to mark uncured bead rings for identification purposes. The product is safe for internal use and can also be used to mark other uncured rubber parts including plies and sheet rubber. After using the product in production, manufacturers have shown reductions in defects and waste.

The ink has exceptional adhesion and is non-hazardous. It is available in a wide variety of colors as well as low and high viscosity ranges. Bead Marking Ink is applied by hand and comes packaged in 8 oz. bottles with a cap and nozzle.

Color Availability:

- TA-1120 White
- TA-2120 Red
- TA-2140 Dark Brown
- TA-3120 Orange
- TA-4120 Yellow
- TA-5120 Green
- TA-6104 Blue
- TA-6420 Light Blue



Features

Excellent Adhesion

Helps to Reduce Defects and Waste

Fast Drying on Hot Surfaces

Easy Application

Non-Hazardous

Industry Proven

Non-Flammable

Wide Variety of Colors

Contains No VOCs

APV Engineered Coatings
1390 Firestone Parkway Akron, Ohio 44301 USA
330.773.8911 sales@apvcoatings.com www.apvcoatings.com





PRODUCT DATA SHEET

Product Specifications

PRODUCT DESCRIPTION:

WATER-BASED BEAD MARKING INKS

PRODUCT NUMBER: TA-Series

PHYSICAL PROPERTIES:

COLOR: Various
 TYPE: Water-Based, High Adhesion
 VISCOSITY(ASTM D 2196-86): 850 ± 250 CPS #3/30 RPM
 WEIGHT PER GALLON (ASTM D 1475-90): 8.10 - 8.70 lbs/gal
 SPECIFIC GRAVITY (ASTM D 1475-90): .972 - 1.044 g/ml
 pH: 10.3 ± 0.5
FLASH POINT: (ASTM D 3828-93): > 200 °F
 SOLIDS: 45 - 50% by weight 31-36% by volume
 THEORETICAL COVERAGE: 500-580 ft² / gal @ 1.0 mil (12.3-14.2m² / L @ 25.4 μ)
 VOC: WET: .00 lb/gal (.00 g/l) DRY: .00 lb/gal (.00 g/l)

APPLICATION:

METHOD: Syringe/APV Bead Marker Bottle
 REDUCTION: None Required, Use as supplied
 DRY TO TOUCH: 1-10 minutes dependant on air flow
 CLEAN UP SOLVENT: L-400 or Isopropyl Alcohol
 RECOMMENDED EQUIPMENT: Hand-applied

SUBSTRATE:

TYPE: Uncured Bead Rings and Rubber Compound
 PREPARATION: Clean, Dry surface, free of oil and lubricants

HANDLING & STORAGE:

SHELF LIFE: 9 Months unopened
 FREEZE CAUTION: Keep from freezing
 RECOMMENDED STORAGE: Dry Storage between 70°-85°F (21°-29°C)

COMMENTS:

Mix well before using. Close container after use. Contains no hazardous air pollutants.
 Minimum adhesion- 20 lbs force pull tear.

4/13/2011

NOTE: The information and data given herein are based upon tests and reports considered reliable and are believed to be accurate. However, due to varied application and handling methods, no guarantee of duplicate performance, expressed or implied, is made.