

PRODUCT DATA SHEET



Water-Based Tread Striping Ink

High Viscosity

TH-series

Water-Based Tread Striping Ink is typically used in tire manufacturing to mark the centerline of a tire or extruded rubber tread during production for coding and identification purposes. The product can also be used to mark green rubber materials, including cured sheet rubber and external components. Inks are co-curable, contain no VOCs, and available in a wide variety of colors. Best of all, this product has been proven to help reduce defects and waste in production.

The high viscosity line of tread striping ink, *TH-series*, is applied by a Beugler® Striping Wheel, where the ink is gravity-fed through a nozzle and transferred onto the substrate by a corrugated wheel. Beugler Wheels, accessories, and cleaning products are also available through APV. TH-series Ink can be ordered in 8 oz. bead marker bottles, quarts, gallon cans, or five gallon pails.

Color Availability:

TH-1259 White
TH-2318 Red
TH-2659 Pink
TH-2704 Light Brown
TH-3561 Orange
TH-4214 Yellow
TH-5133 Green
TH-6349 Blue
TH-7211 Lavender
TH-8421 Gray



Features

Wide Variety of Colors

Excellent Adhesion to Rubber

Does Not Produce Mold Fouling

High Solid Content

Non-Flammable

Non-Hazardous

Easy To Use

Low Odor

Transitions Easily into Production

Contains No VOCs

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Product Specifications

PRODUCT DESCRIPTION:

WATER-BASED STRIPING INKS

PRODUCT NUMBER: TH-Series

PHYSICAL PROPERTIES:

COLOR: Various
 TYPE: Water-Based, High Viscosity
 VISCOSITY(ASTM D 2196-86): 4100± 300 CPS #5/20 RPM
 WEIGHT PER GALLON (ASTM D 1475-90): 8.50 - 9.00 lbs/gal (1.093 g/ml ± 70g)
 SPECIFIC GRAVITY (ASTM D 1475-90): 1.020 - 1.080
 pH: 7.0 ± 1.0
 FLASH POINT: (ASTM D 3828-93): > 200 °F
 SOLIDS: 31 - 38% by weight 30-34% by volume
 THEORETICAL COVERAGE: 450-550 ft² /gal @ 1.0 mil (11.0-13.5m² / L @ 25.4 μ)
 VOC: WET: .02-.06 lb/gal (2.40-7.20 g/l)
 DRY: .05-.13 lb/gal (6.00-15.60 g/l)

APPLICATION:

METHOD: Beugler Wheel®
 REDUCTION: None Required, Use as supplied
 DRY TO TOUCH: 1-10 minutes dependant on air flow
 CLEAN UP SOLVENT: L-320 in an ultrasonic bath, or warm soapy water
 RECOMMENDED EQUIPMENT: Beugler Wheel®

SUBSTRATE:

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

HANDLING & STORAGE:

SHELF LIFE: 12 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.