

Product Evaluation Coordinator
Colorado Department of Transportation
4670 North Holly Street, Unit A
Denver, Colorado 80216

Material code:

708.05.03.00 || 708.05.01.00

Material code description full name:

Traffic Control, Water Borne, Hi Build

PART 1

Product name: High Build FD WB White CO (#980621)	Product category: Traffic Control\Pavement Marking\Water Borne, Hi Build
Product Representative (name & address): Attn: Dennis J. Evangelista Ennis-Flint Inc. 4161 Piedmont Parkway Suite #370 Greensboro, NC 27410 Phone: (336) 477-8363 E-mail: QPLAdmin@ennisflint.com	Manufacturer (name & address): Attn: Dane Alsbrook Ennis-Flint Inc. 2803 Spur 469 (Old Hwy 75) Ennis, TX 75119 Phone: (214) 874-7202 E-mail: dane@ennisflint.com
Web-site address: https://www.ennisflintamericas.com/	Web-site address: https://www.ennisflintamericas.com/

Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)

High Build Fast Dry Waterborne, White, fast drying traffic paint suitable for application by airless or air atomized equipment at fil thicknesses between 10 and 30 mils. Contains HD21A cross linking polymer.

Color match maximum 6 Delta E

Yellowness Index: Initial - 8.0 max

Non-volatile portion of vehicle % - 43.0% min.

Titanium Dioxide content lb/gal - 1.0lb/gal min.

Total Non-volatiles, solids % by weight -77.0%

Density, lb./gal - 14.0 lb/gal - 14.6 lb/gal

Consistency - 85KU-95KU

Freeze-Thaw Stability - 5 Cycles min.

Fineness of Grind - 3 Hegman

Scrub Resistance - 800 cycles min.

Directional Reflectance 15mil @ 72 hrs - 88% min.

Dry Opacity 5 mils @ 72 hrs - 0.95 min.

Restrictions, (installation and/or use):

Application shall be done in dry conditions and when surface and ambient temperatures are 45°F and rising

Use of the product, (be specific to CDOT highway activities only):

May be used to stripe roadways and airports with or without pressure applied glass beads. Will have better longevity/retro compared to regular temp paint.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):

Product has increased durability and dries to "no track" in 3 minutes or less. This shorter dry time will expedite the installation process and save money. The HD21A additive makes the paint more flexible hence better able to withstand road expansion and contraction. The higher mil thickness allows it to hold larger beads which will subsequently yield enhanced retro-reflectivity.

Specifications: (listing those applicable is required)

☒ CDOT : Standard Specifications: Sections 627.04, 627.13 and 708.05

☒ ASTM : E313, D2205, D3723, D5381, D2369, D2205, D562, D2243, D1210, D2486, E1347, D2805

☐ AASHTO:

☐ FHWA :

☐ other :

☒ Certificate of Compliance (COC) provided

☐ Certificate of Verification (COV) provided for select categories ONLY

Product Testing: (National/independent laboratories or universities with Report Date,) **Certified Test Report** (CTR) provided to validate all claims.

☐ NTPEP-AASHTO:

☐ FHWA :

☒ other : Future Labs FTIR (June 13, 2016)

☐ other :

☐ other :

State DOT Approvals, (current documentation required): **see attached**

Expiration Date **05-05-2026**

Sample submitted: ☐ yes ☒ no ☐ n/a Safety Data Sheets (SDS): ☒ yes ☐ no ☐ n/a

Alternate Product Category:

Additional Comments:

This is a 5 year requalification for this product. Product has been used successfully in the State since 2017.

Original Material Code: 708.05.01.00

Ref Form 595 APL Listing #4057