COLORADO DEPARTMENT OF TRANSPORTATION

# PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

Reference No. 2011-04

Materials Laboratory
Colorado Department of Transportation
4201 East Arkansas Avenue
Denver, Colorado 80222

PART 1: Completed by Product Representative
PART 2: Completed by CDOT Product Evaluation Coordinator
PART 3: Completed by CDOT Expert Product Evaluator
PART 4: Completed by CDOT Materials Engineer

## PART 1

Product name: HPS-3, Yellow

Product category: TC\Pavement Marking Material\Permanent, Paint, Epoxy

Product representative (name & address):
Innovative Performance Systems {Mr. Tom McSwain}
P.O. Box 13582
Research Triangle Park, NC 27709
Phone: (877) 477-7623 FAX: (919) 990-7670

Manufacturer (name & address):
Innovative Performance Systems
P.O. Box 13582
Research Triangle Park, NC 27709
Phone: (877) 477-7623 FAX: (919) 990-7670

**Description of product**, (be precise, include product differentiation between your products &/or competitor's products):
HPS-3 is an epoxy plural component, durable liquid pavement marking material designed for long term delineation on Portland Cement Concrete and asphalt surfaces. HPS-3 is a 100% solid two-part system that is applied as a 2-to-1 mixture by volume. HPS-3 can be applied at ambient temperatures of 35° F and rising and a surface temperature of 40° F and rising. When applied at 75° F with the proper saturation of glass beads, the no track time of HPS-3 is less than 10 minutes. At 40°F the approximate no track time is 14 minutes (+/- 1 minute) and at 130°F the approximate no track time is 4 1/2 minutes (+/- 1 minute). Compressive Strength >12,000 psi. Tensile Strength >6,000 psi. Shore D Hardness >80.

**Usage of product**, (be specific to CDOT highway activities only):
HPS-3 is designed for use as long line edge and skip lines as well as intersection markings.

**Benefits to CDOT**, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
HPS-3 consistantly gives bright colors, both initially and after weathering. The 1999 WI NTPEP report states that the HPS-3 yellow has the best yellow color of the epoxies. This brightness ensures that the lines are distinct and also improves the retroreflectivity of these stripes.

**Specifications**, (identify specifically those applicable) **& Certificate of Compliance** (submittal required):

- ☑ CDOT : Standard Specifications 713.17
- ☐ ASTM :
- ☐ AASHTO:
- ☐ FHWA :
- ☑ other : Certificates of Compliance are included with each shipment and are specific to batches shipped.

**Product testing**, (national/independent laboratories) **& Certified Test Report** (submittal required):

- ☑ NTPEP-AASHTO: 1999 WI Deck; Report 00 NTPEP 214 (Feb. 2001) & Report 02 NTPEP 219 (Feb. 2002)
- ☐ HITEC or FHWA :
- ☐ FHWA or other :
- ☑ other : Future Labs, LLC; IPS (CTRs are generated for each batch of material shipped to CDOT)

**State DOT Approvals**, (current documentation required):
AZ, CA, KS, MO, NV, PA, RI AND SD

**Evaluation Procedure**, (recommended):

Sample submitted: ☐ yes ☑ no ☐ n/a | Materials Safety Data Sheets (MSDS): ☑ yes ☐ no ☐ n/a

Notes/Additional Comments
Samples will be provided upon request.
Specification approvals in IL, MT, NE, NJ, NM, SC, TX, VA, WY, ND

Manufacturer's Web-site address: www.ips-road.com

Submit >

CDOT Form #595 01/02