COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

Reference No. 2417-02

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: PARAGLAS SOUNDSTOP® Acrylic Sheet

Product category: Environmental\Sound Wall\Reflective

Product representative (name & address):
CYRO Industries {Steve Barratt}
100 Enterprise Dr.
Rockaway, NJ 07866
Phone: (973) 442-6125 FAX: (973) 442-6148

Manufacturer (name & address):
CYRO Industries {Steve Barratt}
100 Enterprise Dr.
Rockaway, NJ 07866
Phone: (973) 442-6000 FAX: (973) 442-6148

Description of product, (be precise, include product differentiation between your products &/or competitor's products):

SOUNDSTOP is a weatherable, transparent panel produced from acrylic plastic. The product combines excellent weather resistance, impact strength, windload resistance and light weight to make it the ideal product to use when the situation calls for a transparent barrier wall. SOUNDSTOP sheet is inherently stable against attack by sunlight, this means it will not lose clarity or discolor over years of exposure. SOUNDSTOP is competitively priced with other transparent materials used around the world.

CYRO provides a full line of technical support during all project phases to help ensure that the product is installed properly.

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

SOUNDSTOP sheet can be specified for use in soundwalls to control noise and as wind screens to minimize cross winds.

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

CDOT will benefit from the use of SOUNDSTOP by improving sight lines, lowering project costs, and improving aesthetics. More acceptable to impacted neighborhoods, will help address community resistance. Lightweight SOUNDSTOP saves project cost in two ways: large panels help save on installation costs and on structures to save on the cost of reinforcement. Weather resistance, impact strength and chemical resistance will provide a long useful life. SOUNDSTOP installations in Europe from 1984 are still in service as of June 2002.

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

- ☐ CDOT :
- ■ ASTM : ASTM D 4802
- ☐ AASHTO:
- ☐ FHWA :
- ☐ other :

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

- ☐ NTPEP-AASHTO:
- ☐ HITEC or FHWA :
- ■ FHWA or other : ASTM E 90-90 STC, ASTM E 413-87, ASTM D 1003, ASTM D 638, ASTM D 790, ANSI Z 26.1
- ■ other : Noise Unlimited Inc., 5/01/02

State DOT Approvals, (current documentation required):

Evaluation Procedure, (recommended):

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

Notes/Additional Comments

Product is installed in Newport Beach, CA on the Pacific Coast Highway and in East Brunswick, NJ on Rte 18. It is also being installed in New Jersey as a part of the Route 1/130 project in North Brunswick, NJ.

We recommend results from ASTM D-2565 Xenon Arc weathering test with 10,000 hours exposure to confirm UV light stability. No visible effect would equate to less than 10% increase in Haze value and less than 5% increase in Yellowness Index.

Manufacturer's Web-site address: www.cyro.com

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