COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3059-10

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

Material code: 709.01.05.00

FOR INTERNAL CDOT USE

Material code description full name: Reinforcing SS Clad

PART 1

Product name: NX-SCR™

Product category: Steel\Non-Standard

Product representative (name & address):
Attn: Seth Fischer (EVP Sales & Marketing, N.A.)
NX Infrastructure Limited
6877 Phillips Industrial Blvd.
Jacksonville, FL 32256
Phone: (847) 606-3441 FAX: (630) 530-7005

Manufacturer (name & address):
Attn: Seth Fischer (EVP Sales & Marketing, N.A.)
NX Infrastructure Limited
The Wern Works, Briton Ferry, Neath
West Glamorgan SA112JX, United Kingodom
Phone: (847) 606-3441 FAX: (630) 530-7005

Web-site address: www.nxinfrastructure.com

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

NX-SCR™, has a carbon steel core clad with a stainless steel outer layer that is manufactured using a patented technology. This pairing results in a product with corrosion resistance equivalent to solid stainless steel and optimal Grade 60 equivalent mechanical properties, while still offering the lowest life cycle cost in the industry. NX-SCR™ is easy to handle in the field, capable of being bent up to 180 degrees using standard equipment and can be saw cut on site to fulfill unexpected design changes. The durable cladding does not require "touch-ups" after fabrication and can withstand extreme conditions presented on a job site. Our products meet the rigorous standards of AASHTO MP 13-04.

Restrictions, (installation and/or use):

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

NX-SCR is used for concrete reinforcement where de-icing salts are used on pavement and bridge decks.

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

NX-SCR offers the following to CDOT: A high level of corrosion resistance (100 year service life); a significantly lower cost alternative to solid stainless steel products; a reduction in maintenance costs over the life of the concrete structure in which it is used; easier field handling and reduced installation times than lower cost (coated) iron rebar alternatives - our products are malleable and formable.

Specifications, (listing those applicable is required) **& Certificate of Compliance** (required to certify compliance with listed specifications):

- ☐ CDOT :
- ☐ ASTM :
- ☒ AASHTO : MP 13
- ☐ FHWA :
- ☐ other :

Product testing, (from national/independent laboratories or universities) **& Certified Test Report** (CTR required to validate all claims):

- ☐ NTPEP-AASHTO :
- ☒ FHWA : FHWA-HRT-07-039
- ☒ other : Wiss, Janney, Elstner, Associates, Inc. (October 1, 2008); Virginia Transportation Research Council (12-2003)
- ☐ other :

State DOT Approvals, (current documentation required):

MI, VA

Sample submitted: ☐ yes ☒ no ☐ n/a

Materials Safety Data Sheets (MSDS): ☒ yes ☐ no ☐ n/a

Notes/Additional Comments

Samples available upon request - our products are stored and available within the United States.

NX Infrastructure (NXIL) is the world's leading manufacturer of stainless-clad products for use in reinforced concrete in civil engineering projects.