

NEW PRODUCTS EVALUATION COMMITTEE MEETING

November 18, 2025

Georgia Department of Transportation--Office of Materials and Testing
15 Kennedy Dr. Forest Park, GA 30297

NPE COMMITTEE

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		Sydney Herrington	<i>New Products- OMAT</i>
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NPE COMMITTEE MEMBERS

Shahid Jenkins	<i>OMAT - Soil, Physical, & Chemical</i>	Tony Eadie – Design Engineer	<i>G.O. – Roadway Design</i>
(404) 608-4817	OMAT Room 306	(404) 631-1662	G.O. Roadway Design 27 th floor -Cubicle 2714
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Jose Hernandez-Ramirez – Design Engineer 3	<i>G.O. – Design Policy and Support</i>	Abdel Koundaba	<i>State Utilities Liaison</i>
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Daryl L. Williams - Environmental Compliance Bureau C (404) 326-5986	<i>Office of Engineering Services</i>	Ben Ruzowicz – Urban Program Manager	<i>GA Soil and Water Conservation Commission</i>
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Eugene Utsalo	<i>Geotechnical Branch</i>	Rabindra Koirala –Bridge and Structural Design Engineer	<i>G.O. - Bridge Design & Maintenance</i>
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Time	*NPE # / Product*	*Guest(s)*	*Meeting type* (In Person, Phone Conf.)	*Phone Number*
9:05	NPE# 2508-4 TechPower Developments, Inc.– “ZX Series Super Capacitor Power Module” Rep. by Southern Lighting and Traffic Systems	Paul Bianchi paul@techpowerdevelopmentsinc.com Eric Richards erichards@southernltg.com		(416) 605-8925 (770) 598-6165
9:25	NPE# 2508-6 SpecChem – “SpecSilane 100”	Duncan Fleming dfleming@specchem.com		(410) 446-9253
9:45				
10:05	Break			
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OLD BUSINESS

NPE# 2408-2 Coatings International LLC – “Forever Bond 50-570-10FR”

Applicant’s Description of Product: Forever Bond 50-570-10FR is a 100% polyurea spray elastomeric coating with outstanding physical properties with the ability to apply high film thickness and fast cure rates in 10 seconds. It has a Class I Fire Rating with great chemical resistance with high tensile strength and elongation. It has tremendous adhesion over concrete.

Material Composition: It is a two-component polyurea elastomer where the A side is a polymeric isocyanate and the B side is a composition of polyetheramines.

Recommended Use: It is recommended as a protective coating over concrete retaining walls and bridge embankments against water intrusion and providing crack resistance and leak protection to the environment.

Product meets GDOT Specification: Product falls outside of current GDOT specification.

Cost: at 60 mils thick \$1.95 sq. ft. coating cost

Committee Recommendation: David Neighbors – Construction Office, Shahid Jenkins – Physical and Chemical Branch

Important Dates:

Notes: Currently under evaluation.

MEETS SPECS _ ACCEPT _ REJECT _ FIELD TEST _ LAB TEST _ ACTION PDG. _ NO APP. _ WITHDRAWN _
WITHDRAWN/NO ACTION _ PROJECT TO PROJECT _ ALLOW THE USE _

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NPE# 2405-1 CMC – “ASTM A1094 Galvabar”

Applicant’s Description of Product: A1094 GalvaBar is Continuous Hot-dip Galvanized Rebar (CGR) that combines the corrosion protection of zinc and exceptional formability without peeling or flaking. Processed prior to fabrication, GalvaBar allows for seamless procurement of corrosion resistant rebar utilizing existing supply chains, ready for fabrication and delivery straight to the job site. Mechanistic performance in recent federally funded research shows that CGR is a more homogeneous and efficient use of zinc without iron and is equivalent to or better than a thicker zinc-iron alloy layered coating structure.

Material Composition ASTM A1094 is a pure Zinc metallurgical coating. Base material can be any metallic rebar such as A615, A706, etc.

Recommended Use: It is recommended as corrosion resistant reinforcing steel for bridges, marine structures, residential and commercial applications, mining projects as a better substitute to A767 HDG.

Product meets GDOT Specification: Product falls outside of current GDOT specification.

Cost: same cost or less than A767

Committee Recommendation: Ian Rish – Materials and Testing Office, Dr. Peter Wu – Technical Assistance Bureau, Jacob Walker – Testing Bureau

Important Dates:

Notes: Currently under evaluation.

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NPE# 2410-1 Master Dowel – “Master Dowel GFRP Baskets”

Applicant’s Description of Product: Master Dowel GFRP Baskets are fiberglass reinforced polymer dowels and .306 steel dowel bar baskets.

Material Composition: It is composed of Boron-free E-Glass greater than 75% by weight, and vinyl-based resin.

Recommended Use: It is recommended for joint plain concrete pavement construction and Dowel retrofits.

Product meets GDOT Specification: Product falls outside of current GDOT specification.

Cost: 1.25" Basket - \$5.32 LF; 1.5" Basket - \$6.79 LF

Committee Recommendation: Dr. Peter Wu – Technical Assistance Bureau, Jason Waters – Concrete Branch, David Neighbors – Construction Office

Important Dates:

Notes: Currently under Lab Test.

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NPE# 2504-1 Rebotec – “Rebotec Cement-Based Waterproofing”

Applicant’s Description of Product: Rebotec is a powder additive for waterproofing concrete and mortar. Rebotec reacts with cement during the hydration process, giving rise to mineral substances that block the capillary network, providing high impermeability to concrete or mortar.

Material Composition: It is composed of silicon dioxide, Portland cement, calcium hydroxide, and mineral base A (proprietary).

Recommended Use: It is used for waterproofing concrete beams, balus, poured in place, pre-stressed, reinforced, and protected.

Product meets GDOT Specification: Product falls outside of current GDOT specification.

Cost: \$6,495/metric ton or \$584 for 10-22lb bags

Committee Recommendation: Shahid Jenkins – Materials and Testing

Important Dates:

Notes: Recommended to August 2025 NPE Committee Meeting

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NPE# 2504-2 Carboline – “Carbozinc 11/ Armorlast”

Applicant’s Description of Product: Armorlast is a multi-coat corrosion protection paint system based on inorganic ethyl silicate zinc rich primer and an inorganic ethyl silicate finish coat. The zinc rich primer has class B slip and the system has class B slip to minimize masking in fabrication. The entire system can be applied in the shop although both coatings can be field applied if desired.

Material Composition: The product is solvent based ethyl silicate (inorganic) zinc rich primer with a solvent based ethyl silicate finish coat.

Recommended Use: It is recommended for steel components for bridges.

Product meets GDOT Specification: Product falls outside of current GDOT specification.

Cost:

Committee Recommendation: Dr. Peter Wu – Technical Assistance Bureau, Shahid Jenkins – Materials and Testing

Important Dates:

Notes: Recommended to August 2025 NPE Committee Meeting

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NPE# 2506-1 RamJack – “Sign Dart”

Applicant's Description of Product: Sign Dart is a steel helical foundation base system for multiple mount applications including, but not limited to, signage, solar panels, security systems, etc. This product can be utilized as both a permanent or, if needed, temporary solution for roadside signage installs, that is reusable and requires no application of grout, concrete or adhesion to set post and signage.

Material Composition: It is composed of steel.

Recommended Use: It is recommended to provide tailored support solutions for applications such as traffic signs along highways or city roads where other solutions--such as helical or driven piles--are not necessarily ideal.

Product meets GDOT Specification: Product falls outside of current GDOT specification.

Cost: \$245 depending on quantity

Committee Recommendation: David Neighbors – Construction, Kelly Hairston – Construction

Important Dates:

Notes: Recommended to August 2025 NPE Committee Meeting

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NPE# 2506-2 Freudenberg Performance Materials– “Enka Break P”

Applicant's Description of Product: EnkaBreak P is a geocomposite consisting of a 4mm thick filamentary spacer combined on both sides with a thermally bonded filter fleece. The V shaped polypropylene core provides compressive strength and creep properties.

Material Composition: It is comprised of a Polypropylene Core – Proprietary Spunbond Nonwoven geotextile.

Recommended Use: Enka Break P provides an enduring and effective horizontal capillary barrier by creating a continuous spacing layer which prevents moisture rise. EnkaBreak P is suggested for embankments and structural sections up to 15 m.

Product meets GDOT Specification: Product falls outside of current GDOT specification.

Cost: \$4.95 / SY

Committee Recommendation: Eugene Utsalo – Geotechnical Bureau, David Neighbors – Construction, Kelly Hairston – Construction

Important Dates:

Notes: Recommended to August 2025 NPE Committee Meeting

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NEW BUSINESS

NPE# 2508-4 TechPower Developments, Inc.– “ZX Series Super Capacitor Power Module” (9:05 am)

Applicant’s Description of Product: Super Capacitor Module is a DC Energy Green energy storage device. Front Panel Display and connections, aluminum construction. Modular design for increase capacity or redundancy. Horizontal and Vertical installations with Zero clearance.

Material Composition: It is composed of graphene/carbon/thin polymer film and aluminum with aluminum case construction.

Recommended Use: It is used for outdoor applications, UPS and BBS battery replacement as well as ITS outdoor applications, or direct battery replacement for inverters.

Product meets GDOT Specification: Product falls outside of current GDOT specification.

Cost: N/A

Committee Recommendation: David Miranda – Office of Traffic Operations

Important Dates:

Notes: Recommended to November 2025 NPE Committee Meeting

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NPE# 2508-6 SpecChem – “SpecSilane 100” (9:25 am)

Applicant’s Description of Product: SpecSilane 100 is a clear, penetrating, breathable water repellent that is designed for use on interior and exterior above grade concrete or masonry surfaces. SpecSilane 100 penetrates the surface and bonds directly with the substrate, which results in a surface that is highly resistant to both moisture and salt.

Material Composition: The product is Organofunctional Silane.

Recommended Use: It is recommended for use on concrete and masonry surfaces, decks, pavements, parking structures, ramps, bridges, marine platforms etc.

Product meets GDOT Specification: Product falls outside of current GDOT specification.

Cost: N/A

Committee Recommendation: Amanda Sheldon – Materials and Testing

Important Dates:

Notes: Recommended to November 2025 NPE Committee Meeting

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