

# National Bridge Deck Preservation Working Group Update

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Each of the Four Regional Bridge Preservation Partnerships have several Working Groups – the following have become National Working Groups:

- Bridge Deck Preservation
- Bridge Coatings
- Performance Specifications
- Social Media

This is an update on the National Bridge Deck Working Group





#### Western Bridge **Preservation Partnership**



Bridge Deck Overlay

**Product Matrix** 

2014

PRODUCTNAME	PRODUCT SUPPLIER	PRIMARY BASE COMPONENT (MN EPOXY, etc.)		DECK	N SET-UP TIM		H MAT'L	DECK AGE & CONDITION WHE APPLIED	EN EXPECTED SERVICE LIFE	STATE DOT APPROVAL	ASTM/AASHTO(etc. TEST PROCEDURES		
VESLMC	www.mpidset.com	RS Cement SB Late	× Normal Concrete	Scarified	3 hours to op	en Not G	iypsum N	New or Repaired	25-30 years	most	Normal Concrete		
Very Early Strength Latex Modified Concrete													
PMCC - Polymer Modified Cement Concrete	www.repidset.com	Low P Cement	Normal Concrete	Scarified	3 hours to op	en Not G	äypsum N	New or Repaired	25-30 years	some	Normal Concrete		
	Kwik Bond Polymers. Produkt data shret http://www.kwikband olymers.com/sroduct perchetsit/kB_JDS_ PCaasaEC.pdf	with aggregates, p HMWM primer	id Dry	clean surface shot blast is typical			nown s patibility o	iound concrete, an	y : 30+ Years	Placed by special provision/specific shion in AC WA OR, CA, NY, ID, MT, WY, UT, AZ, CO, NM, MN, MO, FL, PA, DE, NJ, NY, VT.	Meets requirements of AASTHO Tay Guide Specification for Polyme Bridge Desk Overlays, Ph Mixed Chapter, Polyeste binder section. Resin viscosity 2000 cps, tensil strength ASTM D638-32 system (mixed with aggregates): tensile strength AS Orangeasistement for a System (mixed with aggregates): tensile strength Cap roop pis, addression stureted surface dry spectra	e r soo STM ie ngth TTM	
	PRODUCT NAME	PRODUCT SUPPLIER & WEB-SITE	PRIMARY BASE COMPONENT (MMA, EPOXY, ME)	WEATHER RESTRICTIONS	DECK PREPARATION	SET-UP TIME	PAT	CH MATYL C PATABLITY	DECK AGE & CONDITION V APPLIED	NHEN EXPECTED SERVICE LIFE	STATE DOT APPROVAL	ASTM/AASHTO (MC) TEST , PROCEDURES ,	THICKNESS
		Kovik Band Polymens, in Product data shines: Mttp://www.Kovikbondg.oby Mttp://www.kovikbondg.oby Mttp://www.kovikbondg.oby Mttp://www.kovikbondg.oby Mttp://www.kovikbondg.oby Mttp://www.kovikbondg.oby Mttp://www.kovikbondg.oby Mttp://www.kovikbondg.oby Mttp://www.kovikbondg.oby Mttp://www.kovikbondg.oby Mttp://www.kovikbondg.oby Mttp://www.kovikbondg.oby Mttp://www.kovikbondg.oby Mttp://www.kovikbondg.oby Mttp://www.kovikbondg.oby Mttp://www.kovikbondg.oby Mttp://www.kovikbondg.oby Mttp://www.kovikbondg.oby Mttp://www.kovikbondg.oby Mttp://wwww.kovikbondg.oby Mttp://www.kovikbondg.oby Mttp://www.kovikbondg.ob	relyeater resin mixed with D egregates, HMMM primer	ry d	een surface, shot ia h letti is typical	our traffic return	n na kaswa in	compatibility sour	d sonorete, eny age	30+ Assa	Pased by special provision/specific to in AC, to UT, AZ, CO, NAV, MN, MO, PL, PA, DE, NJ, NY, VT.	Meets requirements af AASTHD (july Typ Grief Selections for provide Selections for Provided Couples, Polyaster bandwide Couples, Polyaster bandwide settler, Rein vessery cos on kenter settler (Selection) min. Compare voters (Selection) min. Compare voters (Selection) empation ASTM (Selection) settler (Sel	in to sa in in in lift
	Pely-Carb Mark-s53 FLEXOGRO	www.poly-carb.com	Epony Urethane 5	odegree F, < S 14 Deck Molature	terr	hos- perature endert/coat	No Magnesia	en Phasphate Any	ege, substrate must be sou	nd sge years	PA, NH, MA, MD, ME, VT, NY, NJ, DE, Ri and supplemental speca		
	Poly-Carb Mark-s63 LT (low temp)	www.poly-carb.com	Epoxy Urethane 3 5	odegree F, « S 14 Deck Moleture	terr	hrs- perature enders/coat	No Magnesiu	im Phosphate Any	age, substrate must be sou	nd so+ years	suppremental specs		
	Poly-Carb Mark-154	www.poly-carb.com	Epoxy S	o degree F, « S 14 Deck Molature	hot Blast s-3	hrs-temperature endant/coat	e No Magnesiu	um Phosphate Any	age, substrate must be sou	nd Base years	PA, NY and supplemental speca		
	Poly-Carb Markings UREGRD	www.poly-carb.co.m	Polyures 4	o degree F, « S 14 Deck Moisture	ter dep	hrs- iperature endant (multi- tem)	No Magnesis	im Phosphate Any	age, substrate must be sou	nd Sx years	supplemental spece	C836	

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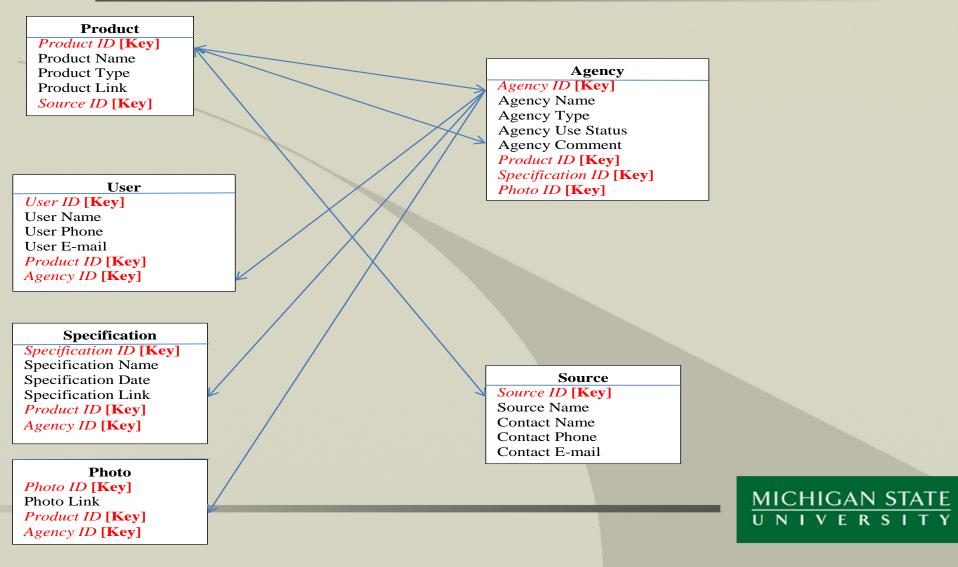
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### National Bridge Deck Treatment Data-Base

- A nationwide framework and listing of available bridge deck preservation products and technologies and their respective technical attributes.
- Approved and Funded by the TSP-2 Oversight Panel.
- Would differ fundamentally from NTPEP & APEL in both content and purpose by having no evaluations of any products
- Currently in the design stage.
- Designed to apply to other Preservation areas. (Coatings. Etc.)

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ncpp





#### <u>Report 1—Specify Product in Current Use—Agencies—Users</u>

#### **Report 2—Specify Agency**→**Products in Current Use**

<u>Report 3—Specify Source—Products in Current Use—Agencies—Users</u>

**<u>Report 4</u>**—Specify Product Type→Sources

<u>**Report 5—Specify Product in Current Use—Agencies—Specifications</u></u></u>** 

<u>Report 6—Specify Product in Current Use—Agencies—Photos</u>





- Thanks to Mike Johnson, Drew Storey, Atiq Alvi, Chris Keegen, Jason DeRuyver and Andy Doyle and the respective deck working groups in each of the partnerships
- Thanks to Ed Welch for his advocacy with the TSP2 Oversight Panel
- Thanks to John O'Doherty the primary data base designer
- Questions