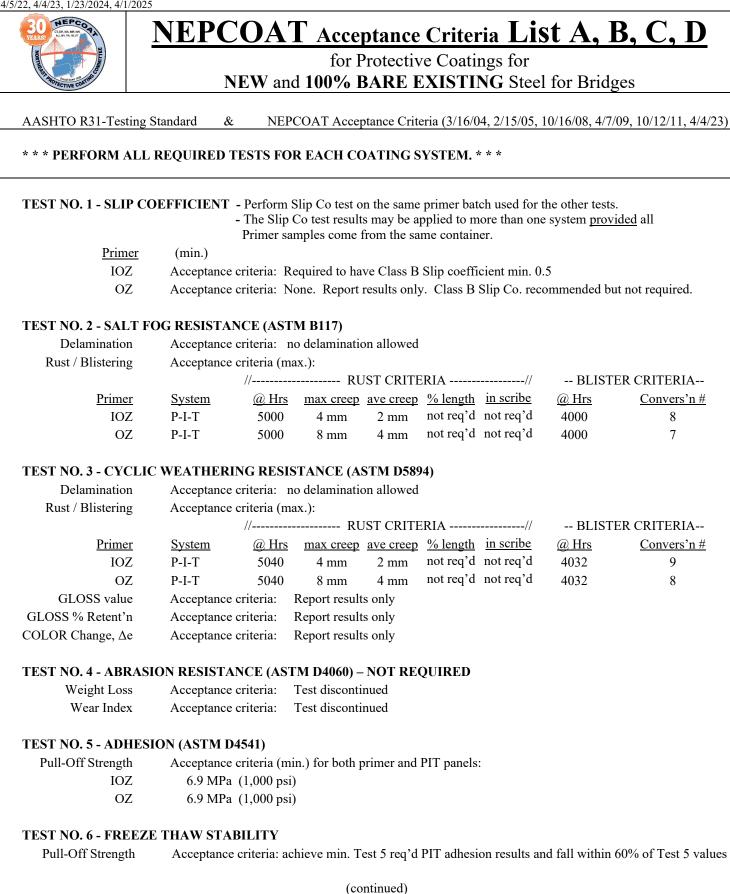
| 30 HEPCOR             |  | <b>NEPCOAT Qualified Products List A</b>   |                  |            |              |              |                    |  |  |  |
|-----------------------|--|--|------------------|------------|--------------|--------------|--------------------|--|--|--|
|                       |  | for Protective Coatings for  |                  |            |              |              |                    |  |  |  |
| ST PROTECTI           | E COATING  | NEW and 100% BARE  | EXIST            | ING S      | teel for     | Bridges      |                    |  |  |  |
| NTPEP                 |  |  | Slip             | Manuf      | 'r Coating   | VOC          | QPL                |  |  |  |
| System                |  | <b>3-COAT SYSTEM</b>   | Coef             | DFT (1     | nin/max)     | Tested       | Accepted           |  |  |  |
| No.                   | Coats  | TESTED AND ACCEPTED  | Class            | mil        | micron       | g/L          | Dates              |  |  |  |
| NEPCOAT               | NEPCOAT LIST A - INORGANIC Zinc Rich Primer / Epoxy or Urethane Intermediate / Aliphatic Urethane Finish |  |                  |            |              |              |                    |  |  |  |
| SSC(19)-03            | *  | CARBOLINE COMPANY  |                  |            |              |              | from               |  |  |  |
| 550(1)) 05            | Primer   | Carbozinc <sup>®</sup> 11 HS Inorganic Zinc Primer   | $\mathbf{B}^{1}$ | 2-6        | 50-150       | 289          | 12/10/20           |  |  |  |
|                       | Interm   | Carboguard <sup>®</sup> 893 Epoxy Intermediate   |                  | 3-6        | 75-150       | 225          | until mtg.         |  |  |  |
|                       |  | Carbothane <sup>®</sup> 133 LV Aliphatic Polyurethane  |                  | 3-5        | 75-125       | 252          | fall 2025          |  |  |  |
|                       | -  | 6 mils max DFT, 18 hrs min cure, 12% max thinner   |                  |            |              |              |                    |  |  |  |
|                       |  |  |                  |            |              |              |                    |  |  |  |
|                       |  |  |                  |            |              |              |                    |  |  |  |
|                       |  |  |                  |            |              |              |                    |  |  |  |
|                       |  |  |                  |            |              |              |                    |  |  |  |
|                       |  |  |                  |            |              |              |                    |  |  |  |
|                       |  |  |                  |            |              |              |                    |  |  |  |
|                       |  |  |                  |            |              |              |                    |  |  |  |
|                       |  |  |                  |            |              |              |                    |  |  |  |
|                       |  |  |                  |            |              |              |                    |  |  |  |
|                       |  |  |                  |            |              |              |                    |  |  |  |
|                       |  |  |                  |            |              |              |                    |  |  |  |
|                       |  |  |                  |            |              |              |                    |  |  |  |
|                       |  |  |                  |            |              |              |                    |  |  |  |
|                       |  |  |                  |            |              |              |                    |  |  |  |
|                       |  |  |                  |            |              |              |                    |  |  |  |
|                       |  |  |                  |            |              |              |                    |  |  |  |
|                       |  |  |                  |            |              |              |                    |  |  |  |
|                       |  |  |                  |            |              |              |                    |  |  |  |
|                       |  |  |                  |            |              |              |                    |  |  |  |
| <sup>1</sup> Footnote | Informati  | on from the Slip-Coefficient and Creep Resistance Tes  | t Certifica      | te is give | en for use w | / primed b   | olted connections. |  |  |  |
| NOTE 1                |  | AT- NORTHEAST PROTECTIVE COATINGS COM  |                  | -          |              | -            |                    |  |  |  |
| 2                     |  | Nat'l Transport'n Product Evaluat'n Program). See St   |                  |            |              |              |                    |  |  |  |
| 3                     |  | ted lab and field testing of coating systems is performed                                    |                  | 0          |              |              |                    |  |  |  |
| 4                     | •  | are accepted for use on NEW and 100% BARE EXIST  |                  | 0          |              | •            | 0                  |  |  |  |
| 5                     |  | xx systems comply with AASHTO R-31 Evaluation Pr   |                  |            |              |              |                    |  |  |  |
| 6                     |  | ues are lab test results using unthinned samples. NEPC quirements for VOC limits may differ. | UAI max          | voc in     | mit is 420 g | /L (3.3 lb/g | gai). Individual   |  |  |  |
| 7                     |  | ended DFT values are listed by manufacturer (see Prod  | uct Data S       | Sheets )   |              |              |                    |  |  |  |
| 8                     |  | ge in coating formulation from that tested will result in                                    |                  | ,          | stem from t  | he OPL.      |                    |  |  |  |
| 9                     | -  | QPL term is <u>seven</u> years starting from the date of accep                               |                  | -          |              |              | meeting.           |  |  |  |
| *                     |  | ce is CONDITIONAL pending submission within <u>four</u>                                      |                  |            |              |              | -                  |  |  |  |
|                       | -  | dges painted with the paint system must be submitted v                                       | -                |            |              |              | -                  |  |  |  |
|                       | Note that  | R-31-09 Section 12.1, Requalification Testing, has be  |                  | -          | -            |              |                    |  |  |  |
| es                    | VOC val  | ue adjusted for exempt solvents  |                  |            |              |              |                    |  |  |  |
|                       |  |  |                  |            |              |              |                    |  |  |  |

| YEARS! CLDE.N |                       | NEPCOAT Qualif   |                  |            |              | is Ll          | SI B            |  |  |  |
|---------------|-----------------------|--|------------------|------------|--------------|----------------|-----------------|--|--|--|
| NORTHERE      |                       | for Protective Coatings for  |                  |            |              |                |                 |  |  |  |
| NTPEP         | VE COATTIN            | NEW and 100% BARE F  |                  |            | r Coating    | Bridges<br>VOC | QPL             |  |  |  |
|               |                       |  | Slip             |            | U            |                | -               |  |  |  |
| System        |                       | <b>3-COAT SYSTEM</b>   | Coef             |            | nin/max)     | Tested         | Accepted        |  |  |  |
| No.           | Coats                 | TESTED AND ACCEPTED  | Class            | mil        | micron       | g/L            | Dates           |  |  |  |
| NEPCOAT       | LIST <b>B</b>         | - ORGANIC Zinc Rich Primer / Epoxy or Urethane Int   | ermediate        | e / Alipha | atic Urethar | ne Finish      |                 |  |  |  |
| SSC(15)-07    |                       | SHERWIN WILLIAMS COMPANY   |                  |            |              |                | from            |  |  |  |
|               | Primer                | Zinc Clad <sup>®</sup> 4100 Organic Zinc Rich Epoxy Primer   | $\mathbf{B}^{1}$ | 3-5        | 75-125       | 319            | 10/3/17         |  |  |  |
|               | Interm                | Macropoxy <sup>®</sup> 646 Fast Cure Epoxy   |                  | 3-10       | 75-250       | 265            | until mtg.      |  |  |  |
|               | Topcoat               | Hi-Solids Polyurethane 250   |                  | 3-4        | 75-100       | 234 es         | fall 2025       |  |  |  |
|               | -                     | 5 mils max DFT, 72 hours min cure, 5% max thinner  |                  |            |              |                | -               |  |  |  |
| SSC(18)-08    | *                     | WASSER COATINGS  |                  |            |              |                | from            |  |  |  |
| SSC(10)-05    | Primer                | MC-Zinc 100  | $\mathbf{B}^{1}$ | 3-5        | 75-125       | 140 es         | 10/01/19        |  |  |  |
|               | Interm                | MC-Miomastic 100   |                  | 3-5        | 75-125       | 106 es         | until mtg.      |  |  |  |
|               | Topcoat               | MC-Ferrox A 100  |                  | 2-4        | 50-100       | 149 es         | fall 2026       |  |  |  |
|               | -                     | 5.5 mils max DFT, 72 hrs min cure, 10% max thinner   |                  |            |              |                |                 |  |  |  |
| SSC(18)-09    | *                     | SHERWIN WILLIAMS COMPANY   |                  |            |              |                | from            |  |  |  |
|               | Primer                | Zinc Clad <sup>®</sup> 4100 Organic Zinc Rich Epoxy Primer   | $\mathrm{B}^{1}$ | 3-5        | 75-125       | 336            | 10/01/19        |  |  |  |
|               | Interm                | Macropoxy <sup>®</sup> 646 Fast Cure Epoxy   |                  | 3-10       | 75-250       | 229            | until mtg.      |  |  |  |
|               | Topcoat               | Acrolon <sup>™</sup> 218 HS Acrylic Polyurethane   |                  | 3-6        | 75-150       | 276            | fall 2026       |  |  |  |
|               | <sup>1</sup> Footnote | 5 mils max DFT, 72 hours min cure, 5% max thinner  |                  |            |              |                |                 |  |  |  |
| SSC(19)-02    | *                     | CARBOLINE COMPANY  |                  |            |              |                | from            |  |  |  |
|               | Primer                | Carbozinc <sup>®</sup> 859 Organic Zinc Rich Epoxy Primer  | $\mathrm{B}^{1}$ | 3-10       | 75-250       | 342            | 12/10/20        |  |  |  |
|               | Interm                | Carboguard <sup>®</sup> 893 Epoxy Intermediate   |                  | 3-6        | 75-150       | 218            | until mtg.      |  |  |  |
|               | Topcoat               | Carbothane <sup>®</sup> 133 LV Aliphatic Polyurethane  |                  | 3-5        | 76-127       | 254            | fall 2025       |  |  |  |
|               | -                     | 6 mils max DFT, 6 days min cure, 10% vol max thin  |                  |            |              |                |                 |  |  |  |
| (continues    | )                     | (List B continues)   |                  |            |              |                |                 |  |  |  |
|               | ,                     | on from the Slip-Coefficient and Creep Resistance Test   | Certifica        | te is give | en for use w | / primed bo    | olted connecti- |  |  |  |
| NOTE 1        |                       | AT- NORTHEAST PROTECTIVE COATINGS COMM   |                  |            |              |                |                 |  |  |  |
| 2             |                       | Nat'l Transport'n Product Evaluat'n Program). See Stru   |                  |            |              |                |                 |  |  |  |
| 3             |                       | ed lab and field testing of coating systems is performed   |                  | -          |              |                |                 |  |  |  |
| 4             | •                     | are accepted for use on NEW and 100% BARE EXISTI   |                  | U          |              | •              | U               |  |  |  |
| 5             |                       | xx systems comply with AASHTO R-31 Evaluation Pra  |                  |            |              |                |                 |  |  |  |
| 6             |                       | ues are lab test results using unthinned samples. NEPC   | UAT max          | voc lii    | mit is 420 g | g/L (3.5 lb/g  | gal). Individu  |  |  |  |
| 7             |                       | quirements for VOC limits may differ.  | nat D-4- 6       | thaat-)    |              |                |                 |  |  |  |
| 7<br>8        |                       | ended DFT values are listed by manufacturer (see Produ<br>age in coating formulation from that tested will result in |                  | ,          | stom from 4  | he ODI         |                 |  |  |  |
| 8<br>9        |                       | QPL term is <u>seven</u> years starting from the date of accept  |                  |            |              |                | meeting         |  |  |  |
| ><br>*        |                       | ce is CONDITIONAL pending submission within four   |                  |            |              |                | -               |  |  |  |
|               |                       | dges painted with the paint system must be submitted w   |                  |            |              |                |                 |  |  |  |
|               |                       | R-31-09 Section 12.1, Requalification Testing, has bee   |                  |            |              |                |                 |  |  |  |
|               |                       |  | n uiscom         | mucu.      |              |                |                 |  |  |  |

| BOONEPCOT             |                       | <b>NEPCOAT Qualified Products List B</b>                  |                     |            |              |                  |                    |  |  |  |
|-----------------------|-----------------------|---|---------------------|------------|--------------|------------------|--------------------|--|--|--|
| NORTHE                |                       | for Protective Coatings for                               |                     |            |              |                  |                    |  |  |  |
| ROTECTIVE CONTING     |                       | NEW and 100% BARE EXISTING Steel for Bridges              |                     |            |              |                  |                    |  |  |  |
| NTPEP                 |                       |   | Slip                | Manuf      | 'r Coating   | VOC              | QPL                |  |  |  |
| System                |                       | <b>3-COAT SYSTEM</b>                                      | Coef                | DFT (      | min/max)     | Tested           | Accepted           |  |  |  |
| No.                   | Coats                 | TESTED AND ACCEPTED                                       | Class               | mil        | micron       | g/L              | Dates              |  |  |  |
| NEPCOAT               | LIST <b>B</b>         | - ORGANIC Zinc Rich Primer / Epoxy or Urethane In         | termediate          | e / Alipha | atic Urethaı | ne Finish        |                    |  |  |  |
| SSC(22) 04            |                       |   |                     | ÷          |              |                  | £                  |  |  |  |
| SSC(22)-04            |                       | PPG INDUSTRIES  | $B^{1}$             | 2.7        | 50 177       | 0.57             | from               |  |  |  |
|                       | Primer                | SIGMAZINC™ 70 DOT   | Β.                  | 2-7        | 50-177       | 257 es           | 10/03/23           |  |  |  |
|                       | Interm                | PPG DTM EPOXY 202 DOT                                     |                     | 4-8        | 100-200      | 234 es           | until mtg.         |  |  |  |
|                       | -                     | PITTHANE ULTRA   DOT 95-812 SERIES                        |                     | 2-3        | 50-75        | 250 es           | fall 2027          |  |  |  |
|                       | <sup>1</sup> Footnote | 7 mils max DFT, 24 hrs. min cure, 10% vol max thin        |                     |            |              |                  |                    |  |  |  |
| SSC(22)-01            | *                     | PPG INDUSTRIES  |                     |            |              |                  | from               |  |  |  |
| 550(22) 01            | Primer                | SIGMAZINC™ 75 DOT   | Failed <sup>1</sup> | 2-7        | 50-177       | 277 es           | 10/03/23           |  |  |  |
|                       | Interm                | AMERLOCK 600 DOT  | To                  | 3-10       | 125-250      | 232 es           | until mtg.         |  |  |  |
|                       |                       | PITTHANE ULTRA   DOT 95-812 SERIES                        | Meet B              | 2-3        | 50-75        | 232 es<br>242 es | fall 2027          |  |  |  |
|                       | -                     | 7 mils max DFT, 48 hrs. min cure, 10% vol max thin        | Meet D              | 2-3        | 50-75        | 242 05           | 1a11 2027          |  |  |  |
|                       | roomote               | Note: Not suitable for use in slip-critical connections.  |                     |            |              |                  |                    |  |  |  |
|                       |                       | rote. Por suitable for use in sup entited connections.    |                     |            |              |                  |                    |  |  |  |
|                       |                       |   |                     |            |              |                  |                    |  |  |  |
|                       |                       |   |                     |            |              |                  |                    |  |  |  |
|                       |                       |   |                     |            |              |                  |                    |  |  |  |
|                       |                       |   |                     |            |              |                  |                    |  |  |  |
|                       |                       |   |                     |            |              |                  |                    |  |  |  |
|                       |                       |   |                     |            |              |                  |                    |  |  |  |
|                       |                       |   |                     |            |              |                  |                    |  |  |  |
|                       |                       |   |                     |            |              |                  |                    |  |  |  |
|                       |                       |   |                     |            |              |                  |                    |  |  |  |
|                       |                       |   |                     |            |              |                  |                    |  |  |  |
|                       |                       |   |                     |            |              |                  |                    |  |  |  |
|                       |                       |   |                     |            |              |                  |                    |  |  |  |
|                       |                       |   |                     |            |              |                  |                    |  |  |  |
| <sup>1</sup> Footnote | Informati             | on from the Slip-Coefficient and Creep Resistance Tes     | t Certifica         | te is give | en for use w | / primed b       | olted connections. |  |  |  |
| NOTE 1                | NEPCOA                | AT- NORTHEAST PROTECTIVE COATINGS COMM                    | MITTEE o            | f CT, DI   | E, ME, MA    | , NH, NJ, 1      | NY, PA, RI, VT     |  |  |  |
| 2                     |                       | Nat'l Transport'n Product Evaluat'n Program). See Str     |                     |            |              |                  |                    |  |  |  |
| 3                     | Accelerat             | ted lab and field testing of coating systems is performed | d according         | g to AAS   | SHTO NTP     | EP R-31 c        | riteria.           |  |  |  |
| 4                     | Systems a             | are accepted for use on NEW and 100% BARE EXIST.          | ING steel           | for bridg  | ges cleaned  | by abrasiv       | e blasting.        |  |  |  |
| 5                     | SSC(yr)-              | xx systems comply with AASHTO R-31 Evaluation Pra         | actice & N          | EPCOA      | T Acceptar   | nce Criteria     | ι.                 |  |  |  |
| 6                     | VOC value             | ues are lab test results using unthinned samples. NEPC    | COAT max            | VOC li     | mit is 420 g | g/L (3.5 lb/     | gal). Individual   |  |  |  |
|                       | state re              | quirements for VOC limits may differ.                     |                     |            |              |                  |                    |  |  |  |
| 7                     |                       | ended DFT values are listed by manufacturer (see Prod     |                     |            |              |                  |                    |  |  |  |
| 8                     |                       | ge in coating formulation from that tested will result in |                     |            |              |                  |                    |  |  |  |
| 9                     |                       | QPL term is seven years starting from the date of accep   |                     |            |              |                  |                    |  |  |  |
| *                     | -                     | ce is CONDITIONAL pending submission within four          | -                   |            | -            | -                | -                  |  |  |  |
|                       |                       | dges painted with the paint system must be submitted v    |                     |            | See Accepta  | nce Criteri      | a.                 |  |  |  |
|                       |                       | R-31-09 Section 12.1, Requalification Testing, has been   | en disconti         | nued.      |              |                  |                    |  |  |  |
| es                    | VOC value             | ue adjusted for exempt solvents                           |                     |            |              |                  |                    |  |  |  |
|                       |                       |   |                     |            |              |                  |                    |  |  |  |

|                       |                                   | NEPCOAT Quali  | fied             | Pro        | duc          | ts Li      | ist C             |  |  |  |
|-----------------------|-----------------------------------|--|------------------|------------|--------------|------------|-------------------|--|--|--|
|                       |                                   | for Protective Coatings for                                |                  |            |              |            |                   |  |  |  |
|                       |                                   | NEW and 100% BARE EXISTING Steel for Bridges               |                  |            |              |            |                   |  |  |  |
| NTPEP                 |                                   | •  | Slip             |            | 'r Coating   | VOC        | QPL               |  |  |  |
| System                |                                   | 2-COAT SYSTEM  | Coef             | DFT (      | min/max)     | Tested     | Accepted          |  |  |  |
| No.                   | Coats                             | TESTED AND ACCEPTED  | Class            | mil        | micron       | g/L        | Dates             |  |  |  |
| NEPCOAT               |                                   | - ORGANIC Zinc Rich Primer / / Topcoat                     |                  |            |              |            |                   |  |  |  |
| NEPCOAT               |                                   | - ORGANIC Zinc Rich Primer / / Topcoat                     |                  |            |              |            |                   |  |  |  |
| SSC(18)-03            | *                                 | SHERWIN WILLIAMS COMPANY                                   |                  |            |              |            | from              |  |  |  |
|                       | Primer                            | Zinc Clad <sup>®</sup> 4100 Organic Zinc Rich Epoxy Primer | $\mathbf{B}^{1}$ | 3-5        | 75-125       | 318        | 04/02/19          |  |  |  |
|                       | Interm                            |  |                  |            |              |            | until mtg.        |  |  |  |
| 1                     | Topcoat                           | Sher-Loxane 800 Polysiloxane                               |                  | 4-6        | 100-150      | 122        | spring 2026       |  |  |  |
| l                     | <sup>1</sup> Footnote             | 5 mils max DFT, 72 hours min cure, 5% thinner              |                  |            |              |            |                   |  |  |  |
| 1                     |                                   |  |                  |            |              |            |                   |  |  |  |
|                       |                                   |  |                  |            |              |            |                   |  |  |  |
|                       |                                   |  |                  |            |              |            |                   |  |  |  |
|                       |                                   |  |                  |            |              |            |                   |  |  |  |
|                       |                                   |  |                  |            |              |            |                   |  |  |  |
|                       |                                   |  |                  |            |              |            |                   |  |  |  |
|                       |                                   |  |                  |            |              |            |                   |  |  |  |
|                       |                                   |  |                  |            |              |            |                   |  |  |  |
|                       |                                   |  |                  |            |              |            |                   |  |  |  |
|                       |                                   |  |                  |            |              |            |                   |  |  |  |
|                       |                                   |  |                  |            |              |            |                   |  |  |  |
|                       |                                   |  |                  |            |              |            |                   |  |  |  |
|                       |                                   |  |                  |            |              |            |                   |  |  |  |
|                       |                                   |  |                  |            |              |            |                   |  |  |  |
|                       |                                   |  |                  |            |              |            |                   |  |  |  |
|                       |                                   |  |                  |            |              |            |                   |  |  |  |
|                       |                                   |  |                  |            |              |            |                   |  |  |  |
|                       |                                   |  |                  |            |              |            |                   |  |  |  |
|                       |                                   |  |                  |            |              |            |                   |  |  |  |
| <sup>1</sup> Footnote | Informati                         | on from the Slip-Coefficient and Creep Resistance Te       | st Certifics     | te is give | en for use w | / nrimed k | olted connections |  |  |  |
| NOTE 1                |                                   | AT- NORTHEAST PROTECTIVE COATINGS COM                      |                  | -          |              | -          |                   |  |  |  |
| 2                     |                                   | Nat'l Transport'n Product Evaluat'n Program). See St       |                  |            |              |            |                   |  |  |  |
| 3                     |                                   | ted lab and field testing of coating systems is performe   |                  |            | -            | -          |                   |  |  |  |
| 4                     |                                   | are accepted for use on NEW and 100% BARE EXIST            |                  |            |              |            |                   |  |  |  |
| 5                     | •                                 | xx systems comply with AASHTO R-31 Evaluation Pr           |                  | -          | -            | •          | -                 |  |  |  |
| 6                     |                                   | ues are lab test results using unthinned samples. NEPO     |                  |            |              |            |                   |  |  |  |
|                       |                                   | quirements for VOC limits may differ.                      |                  |            | C            |            |                   |  |  |  |
| 7                     | Recomm                            | ended DFT values are listed by manufacturer (see Proc      | luct Data S      | Sheets.)   |              |            |                   |  |  |  |
| 8                     |                                   | nge in coating formulation from that tested will result in |                  | ,          | stem from t  | he QPL.    |                   |  |  |  |
| 9                     | The full (                        | QPL term is seven years starting from the date of accept   | otance unti      | l the nex  | t biannual N | VEPCOAT    | meeting.          |  |  |  |
| *                     |                                   |  |                  |            |              |            |                   |  |  |  |
| 4-                    | Acceptan                          | ce is CONDITIONAL pending submission within fou            |                  |            |              |            | A startup list of |  |  |  |
| - <u>1</u> -          | Acceptan<br>five bri              | dges painted with the paint system must be submitted       | within two       | years. S   |              |            | A startup list of |  |  |  |
|                       | Acceptan<br>five bri<br>Note that |  | within two       | years. S   |              |            | A startup list of |  |  |  |

| 4/5/22, 4/4/25,  | PCOTA        | NEPCOAT Qual  | ified        | Produ                                 | cts Li         | st D             |  |  |  |  |
|--|--------------|---|--------------|---------------------------------------|----------------|------------------|--|--|--|--|
| Normality of the second s |              | for Protective Coatings for<br>NEW and 100% BARE EXISTING Steel for Bridges                   |              |                                       |                |                  |  |  |  |  |
| NOTECT   | IVE COATT    | NEW and 100% BAR  |              |                                       | <u> </u>       |                  |  |  |  |  |
| NTPEP  |              |   | Slip         | Manuf'r Coatir                        | 0              | QPL              |  |  |  |  |
| System   |              | 2-COAT SYSTEM   | Coef         | DFT (min/max                          | ) Tested       | Accepted         |  |  |  |  |
| No.  | Coats        | TESTED AND ACCEPTED   | Class        | mil micro                             | n g/L          | Dates            |  |  |  |  |
| NEPCOAT  | $\mathbf{D}$ | - INORGANIC Zinc Rich Primer / / Topcoat  |              |                                       |                |                  |  |  |  |  |
| NEPCOAT  |              | - INORGANIC Zinc Rich Primer / / Topcoat  |              |                                       |                |                  |  |  |  |  |
|  |              |   |              |                                       |                |                  |  |  |  |  |
|  |              |   |              |                                       |                |                  |  |  |  |  |
|  |              |   |              |                                       |                |                  |  |  |  |  |
|  |              |   |              |                                       |                |                  |  |  |  |  |
|  |              |   |              |                                       |                |                  |  |  |  |  |
|  |              |   |              |                                       |                |                  |  |  |  |  |
|  |              |   |              |                                       |                |                  |  |  |  |  |
|  |              |   |              |                                       |                |                  |  |  |  |  |
|  |              |   |              |                                       |                |                  |  |  |  |  |
|  |              |   |              |                                       |                |                  |  |  |  |  |
|  |              |   |              |                                       |                |                  |  |  |  |  |
|  |              |   |              |                                       |                |                  |  |  |  |  |
|  |              |   |              |                                       |                |                  |  |  |  |  |
|  |              |   |              |                                       |                |                  |  |  |  |  |
|  |              |   |              |                                       |                |                  |  |  |  |  |
|  |              |   |              |                                       |                |                  |  |  |  |  |
|  |              |   |              |                                       |                |                  |  |  |  |  |
|  |              |   |              |                                       |                |                  |  |  |  |  |
|  |              |   |              |                                       |                |                  |  |  |  |  |
|  |              |   |              |                                       |                |                  |  |  |  |  |
|  |              |   |              |                                       |                |                  |  |  |  |  |
|  |              |   |              |                                       |                |                  |  |  |  |  |
|  |              |   |              |                                       |                |                  |  |  |  |  |
|  |              |   |              |                                       |                |                  |  |  |  |  |
|  |              |   |              |                                       |                |                  |  |  |  |  |
|  |              | on from the Slip-Coefficient and Creep Resistance   |              | -                                     | -              |                  |  |  |  |  |
| NOTE 1   |              | T- NORTHEAST PROTECTIVE COATINGS CO   |              |                                       |                |                  |  |  |  |  |
| 2  |              | Nat'l Transport'n Product Evaluat'n Program). See   |              |                                       |                |                  |  |  |  |  |
| 3  |              | ed lab and field testing of coating systems is perform  |              | -                                     |                |                  |  |  |  |  |
| 4  |              | are accepted for use on NEW and 100% BARE EXIS  |              |                                       |                |                  |  |  |  |  |
| 5  |              | xx systems comply with AASHTO R-31 Evaluation   |              | -                                     |                |                  |  |  |  |  |
| 6  |              | tes are lab test results using unthinned samples. NE<br>juirements for VOC limits may differ. | FCUAT may    | voc limit is 42                       | U g/L (3.3 lb/ | gal). Individual |  |  |  |  |
| 7  |              | ended DFT values are listed by manufacturer (see Pr   | oduct Data S | Sheets )                              |                |                  |  |  |  |  |
| 8  |              | ge in coating formulation from that tested will result  |              | · · · · · · · · · · · · · · · · · · · | m the OPI      |                  |  |  |  |  |
| 8<br>9   |              | PL term is <u>seven</u> years starting from the date of acc                                   |              |                                       |                | meeting          |  |  |  |  |
| *  |              | ce is CONDITIONAL pending submission within <u>fr</u>   |              |                                       |                |                  |  |  |  |  |
|  |              | lges painted with the paint system must be submitte   |              |                                       |                |                  |  |  |  |  |
|  |              | R-31-09 Section 12.1, Requalification Testing, has  |              | •                                     | •              |                  |  |  |  |  |
| es   |              | e adjusted for exempt solvents  |              |                                       |                |                  |  |  |  |  |
|  |              | - *   |              |                                       |                |                  |  |  |  |  |





# NEPCOAT Acceptance Criteria List A, B, C, D

for Protective Coatings for

NEW and 100% BARE EXISTING Steel for Bridges

AASHTO R31-09 Testing Standard & NEPCOAT Acceptance Criteria (3/16/04, 2/15/05, 10/16/08, 4/7/09, 10/12/11)

#### **TEST NO. 7 - COATING IDENTIFICATION TESTS**

VOCAcceptance criteria:Max. 420 g/L (3.5 lb/gal). Individual state requirements may differ.Coating propertiesAcceptance criteria:Report onlyCoating thicknessAcceptance criteria:A 2-coat system shall be tested and applied at min. total 9 mils DFT.

### TEST NO. 8 - ATMOSPHERIC EXPOSURE (TWO YEAR) at outdoor site: - NOT REQUIRED

Acceptance criteria: Test discontinued

### ITEM NO. 9 - FIELD HISTORY (TWO YEAR)

Acceptance criteria: (All systems after SSC 06-05) The coating manufacturer shall submit two notifications;

- (1) a startup list within two years of product acceptance identifying five bridges (in a cold/wet climatic region) which have been coated with a minimum of 400 liters (100 gallons) of the coating system (i.e. total volume of primer, intermediate and topcoat); and
- (2) the same list of bridges within four years of product acceptance after the system has two years (min.) of successful field performance. "Successful performance" is simply defined as whether the Owner is satisfied with its application and performance to date, and whether the Owner would recommend the use of the coating again.

## PRODUCT VERIFICATION TESTING

AASHTO R-31-09 Appendix X1 recommends that the Owner perform product verification testing for determining if the coatings supplied to a project are the same quality as the manufacturer's materials originally tested and certified for acceptance.

The R-31-09 Test 7- Coating Identification Tests are described in Sect. 9.7 and Appendix X1, and the lab test results are given in NTPEP DataMine (<u>http://data.ntpep.org</u>) along with the manufacturer's listed values.

When the Owner performs verification testing, the following tolerances apply:

| <b>Verification Test</b> | <u>R-31-09 Section</u> | <u>R-31-09 App X1</u> | ASTM Test | DataMine Test 7 | <b>Tolerance</b> * |
|--------------------------|------------------------|-----------------------|-----------|-----------------|--------------------|
| Total solids (% by mass) | 9.7.9.1                | X1.1.1.6              | D 2369    | Line 2          | ± 5 %              |
| Pigment (% by mass)      | 9.7.9.5                | X1.1.1.8              | D 2371    | " 3             | ± 5 %              |
| Mass per volume (g/L)    | 9.7.9.8                | X1.1.1.5              | D 1475    | " 6             | ± 2 %              |
| Viscosity (Stormer)      | 9.7.9.9                | X1.1.1.4              | D 562     | " 7             | ±8 %               |

\* The tolerance is applied to the DATAMINE "test result" value (not the manufacturer's "listed value"). These tolerances apply to the primer and intermediate coats each in their mixed condition (not Part A, Part B components). For topcoats, if the color is different from the original color in NTPEP testing, then these tolerances apply to the Owner's verification test values the first time a particular color is used.

Note 1. Test Criteria:Two of three panels must pass for each test to pass. (e.g. Tests 2, 3, 5, 6)Note 2. Materials:NEPCOAT does not accept waterborne coatings for the QPL for use in the Northeast States.Note 3. Field History:If available, include an existing bridge(s) with field-applied coatings.