**SP-XX GREEN THERMOPLASTIC**

Version Date: 12/14/2018 Revision Date: XX/XX/XXXX by XXX

**1.0 DESCRIPTION:**

Description is as set out in NCDOT Standard Specification 1205.

**2.0 MATERIALS:**

Materials are as set out in NCDOT Standard Specification 1205 with the addition of:

1. Daytime chromaticity coordinates for the color used for green colored pavement markings shall be as follows:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | | 2 | | 3 | | 4 | |
| x | y | x | y | x | y | x | y |
| 0.230 | 0.754 | 0.266 | 0.500 | 0.367 | 0.500 | 0.444 | 0.555 |

The daytime luminance factor (Y) shall be at least 7, but no more than 35.

1. The nighttime chromaticity coordinates for the color used for green colored pavement markings shall be as follows:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | | 2 | | 3 | | 4 | |
| x | y | x | y | x | y | x | y |
| 0.230 | 0.754 | 0.366 | 0.540 | 0.450 | 0.500 | 0.479 | 0.520 |

1. Green colored pavement markings should be retroreflective.
2. Materials shall not contain lead or hexavalent chromium. The contractor shall provide a manufacturer’s certification to this effect to the Engineer prior to installation.
3. After installation, the material shall provide a surface skid resistance greater than or equal to 60 British Pendulum Number (BPN) using ASTM E303 testing method. Lab testing of typical product installation is acceptable. The contractor shall provide a manufacturer’s certification to this effect to the Engineer prior to installation.

**3.0 CONSTRUCTION METHODS**:

Construction methods are as set out in NCDOT Standard Specification 1205.

**4.0 MEASUREMENT**:

Green Thermoplastic will be measured and paid as the actual area in square feet of pavement markings satisfactorily placed and accepted by the engineer.

**5.0 PAYMENT:**

Payment will be made under:

**GREEN THERMOPLASTIC……………………………………………………………………….SF**