



## STREETPRINT LOGOTHERM SAMPLE SPECIFICATION

### SECTION 02700 PAVING & PAVEMENTS

#### 1.0 GENERAL

##### 1.1 Description

Logotherm shall be described as "StreetPrint Logotherm Thermoplastic Pavement Marking" on the drawings and documents related to the project. The contractor doing this work shall be an Authorized StreetPrint Applicator as licensed by Integrated Paving Concepts Inc., and shall have at least one crew member on site who has successfully completed a StreetPrint Level 1 accreditation training program.

##### 1.2 Related Sections

Section 02230 Site Clearing  
Section 02330 Subgrade and Roadbed Preparation  
Section 02720 Unbound Base Courses  
Section 02740 Flexible Pavement

NOTE TO SPECIFIER: Above are examples of typical sections related to Hot Mix Asphalt pavement construction. Edit for applicable related sections.

##### 1.3 Definitions

"StreetPrint Logotherm Thermoplastic Pavement Marking" is defined as a finishing system, for application on asphalt surfaces, consisting of thermoplastic road marking material capable of being affixed to bituminous pavements by heating and hardening by cooling. Logotherm is manufactured to replicate almost any flat 2 dimensional pattern or design.

"Accredited StreetPrint Applicator" is someone who has successfully completed the StreetPrint Level 1 accreditation training program.

"Heating system" used to affix the thermoplastic panels to the asphalt surface is defined as a reciprocating infrared heater such as the StreetHeat SR-60, or the hand held hot air jet heater such as the StreetHeat Jet Heater. To avoid over heating or burning of the thermoplastic panels continuous monitoring of the surface temperature, during the heating process, using an infra red thermometer is recommended. Equipment that is specifically excluded from this section and shall not be used for reheating of the asphalt is any form of direct flame heaters or nor reciprocating heaters.

##### 1.4 Scope of Work

###### **1.4.1 Application of StreetPrint Logotherm Thermoplastic Pavement Marking Panels**

The surface shall be clean and free of all dust, silt, debris and, most importantly, chemical residue from de-icing materials. If de-icing material has been used on the road in the past, cleaning shall be carried out using pressure washing.

The panels shall be placed in position on completely dry asphalt. Heat shall be gently applied to the surface using reciprocating infra red heaters, slowly raising the surface temperature until the thermoplastic material in the panels start to liquefy and flow, but no higher than 325° F. Once the thermoplastic material has liquefied, the heat source shall be removed and the surface allowed to cool to ambient temperature. Only once the asphalt surface and the thermoplastic has reached ambient temperature may the road be opened to traffic.

## **2.0 MATERIALS**

### **2.1 “StreetPrint Logotherm Thermoplastic Pavement Marking Panels”**

The Owner or Owner's representative shall specify the colors and patterns of the “StreetPrint Logotherm Thermoplastic Pavement Marking Panels” that will be installed.

The pre-formed pre-cut markings shall be supplied by Integrated Paving Concepts, Inc. The thermoplastic material shall have a thickness of 90 mils, and consist of color pigmented plastic film with imbedded reflective glass spheres, uniformly distributed throughout their entire cross-sectional area.

## **3.0 INSTALLATION**

### **3.1 Installation and Bonding of Pre-formed Thermoplastic Panels**

The thermoplastic shall be applied only in dry conditions. The thermoplastic shall be placed on the clean, dry, asphalt, prior to application of heat. Once the thermoplastic is in place, heat shall be applied using a reciprocal infrared heater. The asphalt surface temperature shall not exceed 325 °F (163°C). If smoke is visible, that is an indication that the asphalt and/or the thermoplastic material is burning. Apply sufficient heat to liquefy the thermoplastic. This is achieved when the joints in the thermoplastic panels flow together. Bonding of the thermoplastic material to the asphalt surface can be monitored by carefully lifting a corner of the thermoplastic material before it completely cools. If asphalt is attached to the base of the thermoplastic material sufficient heat was applied. If not re-apply heat.