

Evergrip Flexible GTR Bituminous Marker Adhesive

Product Data Sheet

Permanent Bonding for Pavement Markers

Evergrip Flexible GTR (Ground Tire Rubber) Bituminous Marker Adhesive is a hot melt bituminous adhesive used to permanently bond pavement markers to Portland cement concrete and asphaltic concrete.

Evergrip Flexible GTR Bituminous Adhesive Benefits

- Superior Adhesion
- Superior Flexibility
- Superior Impact Resistance
- Requires less heat for application – Lower fuel cost
- Uses recycled GTR – Cleaner environment



Application

The pavement surface should be dry, cured and clean. The product should be heated in a temperature-controlled heater/applicator with agitation system. The adhesive should be dispensed at the desired intervals at an application temperature of 365°F to 385°F (185°C to 196° C). The marker should be pressed into the Evergrip Flexible Marker adhesive immediately and allowed to cool for at least one minute before subjecting the marker to traffic. The Evergrip Flexible Marker Adhesive should be applied in normal dry working conditions when the ambient temperature is at least 40°F (4°C).

Storage and Handling

The Evergrip product should be stored in the manufacturer's containers in a cool, dry place until ready to use. The product is packaged in 44 lb. (20 kg) fiber cartons with four-way dividers (36 cartons per pallet). Evergrip Flexible GTR Bituminous Marker Adhesive should not be heated above 400 F°. It should not be applied to wet or uncured pavement. Asphalt stains can be removed with non-hazardous, bio-degradable cleaners. Waterless hand cleaner should be used to clean skin, following the cleaner manufacturer's instructions carefully.

Properties and Performance Data

| Specification | Test Method | Typical results |
|------------------------------------|---------------|---------------------|
| Softening Point, °C | ASTM D-36 | 107 - 120 |
| Penetration, 25°C, mm | ASTM D-5 | 1.8 - 2.8 |
| Rotational Viscosity @ 191°C, Pa.s | ASTM D-4402 | 3.5 - 6.0 |
| Flow @ 70°C, mm | ASTM D-5329 | 0 - 1 |
| Flexibility @ -7°C | ASTM D-3111** | No breaks No cracks |
| Ductility @ 25°C, 5cm/min, cm | ASTM D-113 | 15 - 35 |
| Ductility @ 4°C, 1cm/min, cm | ASTM D-113 | 6 - 12 |
| Flash Point, °C | ASTM D-92 | 304 - 316 |

** Mandrel diameter: 25.4 mm.
Sample dimensions: 25.4 mm wide, 152 mm long and 3.18 mm thick.
Condition sample for 4 hours at -7°C before bending.
Bend the sample to a 90° arch at a uniform rate in 10 seconds.