



# INFRATECH POLYMERS INC.

## Environmental Highway Products

UNIT #4 19747 TELEGRAPH TRAIL LANGLEY BC CANADA V1M 3E6  
 (604) 888-8808 1-800-567-4888 Fax (604) 888-8191

### PRODUCT DATA SHEET

# INFRAPAVE™ POLYMER BINDER Grade I (I.P.P.B.G.I.)

February, 1996

#### READ BEFORE USING THIS PRODUCT

**GENERAL** INFRAPAVE™ POLYMER BINDER is SBS (Styrene Butadiene Styrene) thermoplastic elastomer modified paving grade asphalt binder. Asphalt cement is modified by Infratech Polymers Inc. and delivered to the customers as one component homogeneous binder, ready to use by conventional plants and equipment. INFRAPAVE™ Polymer Binder has dramatically improved physical properties compared to the conventional asphalt cements. Binder can be used in hot mix road paving (dense graded or open graded noise absorbent road surfaces), in base courses and rehabilitation, in surface treatment (chip seal) and as waterproofing membrane (SAM and SAMI).

**SPECIFICATION CONFORMANCE** The INFRAPAVE™ POLYMER BINDER shall be SBS modified paving grade asphalt cement. Binder shall be homogeneous and ready to use by conventional plants and equipment. SBS shall be compatible with asphalt cements to be used. Polymer has to be completely dissolved, giving the binder with improved physical properties.

<u>Property:</u>	<u>Min.</u>	<u>Max.</u>
Viscosity @ 140°F, [Poise]	1600	3000
Viscosity @ 275°F, [cSt]	325	
Flash Point, C.O.C. [°F]	450	
Ductility @ 39.2°F, 5 cm/min, [cm]	45	
Polymer, [%wt]	2.0	
<b>Rolling thin film oven test (on residue):</b>		
Viscosity @ 140°F, [Poise]		8000
Ductility @ 39.2°F, 5 cm/min, [cm]	25	

- PROPERTIES**
1. Strongly reduced thermo-susceptibility;
  2. Increased flexibility at low temperatures;
  3. Better flow resistance to high temperatures;
  4. Better deformation resistance at high temperature;
  5. Optimum adhesion to aggregates;
  6. Noise reduction;
  7. Increased stiffness modulus at high temperature;
  8. Improved tensile strength and elongation;
  9. Excellent waterproofing properties.

Binder properties can be optimized depending on the end use required.

**INSTALLATION** No special equipment is needed for handling the INFRAPAVE™ POLYMER BINDER. Binder can be immediately used by the asphalt plant, applicator, distributor or can be stored in heated tanks for later use. If storage time is expected to exceed two days, storage tank shall be equipped with mixing blades.

For complete installation instructions please refer to "INFRAPAVE™ POLYMER BINDER Installation Procedure".

**WARRANTY** INFRATECH POLYMERS INC. warrants that INFRAPAVE™ POLYMER BINDER meets applicable ASTM, Federal State or Provincial specifications at time of delivery.

**TECHNICAL INFORMATION** Please contact our Product Research Department for detailed Technical Data and information about our full product range. ( 1-800-567-4888 )

No Other Warranty Of Any Kind Is Made By The Seller, Express Or Implied, Statutory, By Operation Or Law, Or Otherwise, Including Merchantability And Fitness For A Particular Purpose.