



INFRATECH POLYMERS INC.

Environmental Highway Products

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PRODUCT DATA SHEET

RUB-ARB® ASPHALT RUBBER BINDER

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READ BEFORE USING THIS PRODUCT

GENERAL

RUB-ARB® Asphalt Rubber Binder is a high quality asphalt rubber paving grade binder suitable for gap graded and dense graded asphalt concrete pavement. **RUB-ARB®** exceeds the requirements of F.H.W.A. (Federal Highway Works Administration), Caltrans specifications and I.S.I. specifications. Infratech Polymers' **RUB-ARB®** meets all A.S.T.M. requirements. The Asphalt Rubber Binder is sold hot F.O.B. Infratech Polymers Inc.'s stationary plant in Vancouver, B.C., F.O.B. Jobsite or F.O.B. Infratech Polymers Inc.'s portable plants at the job site. The binder is pumped directly into the contractor's asphalt plant via the plant's asphalt pump. The Asphalt Rubber Binder is designed for each project based on samples of the aggregate source and performance requirements.

SPECIFICATION CONFORMANCE

Property	Hot <u>Climate</u>	Moderate <u>Climate</u>	Cold <u>Climate</u>
Viscosity, Thomas, 350°F	1000-4000cp	1000-4000cp	1000-4000cp
Softening Point, (ASTM D36)	130°F min	120°F min	110°F min
Cone Penetration, 77°F (ASTM D3407)	20-60	50-100	80-150
Resilience, 77°F (ASTM D3407)	20% min	10% min	0% min
Ductility, 77°F (ASTM D113)	15 cm/min	15 cm/min	15 cm/min
Low Temperature Flexibility (ASTM C711 modified)	35°F max.	25°F max.	15°F max.

Notes:

- Make climate selection based on the following temperature ranges. Hot Climate — average July max. = 110°F-; average Jan. low = 30°F+. Moderate Climate — average July max. = 100°F-; average Jan. low = 15-30°F. Cold Climate — average July max. = 80°F-; average Jan. low = 15°F-. Make the selection based on January low, then check July temperatures, use the stiffer grade.
- As an alternate, Cone Penetration at 39.2°F, 200g 5 sec can be used. Limits would be 10 min. for Hot Climate, 25 min. for Moderate Climate and 40 min. for Cold Climate.

PROPERTIES

1. Asphalt rubber concrete pavement produced utilizing **RUB-ARB®** binder provides a structural equivalency of 2:1, (1 1/2" of Asphalt Rubber Concrete = 3" of Standard Asphalt Concrete Pavement.) See Caltrans and F.H.W.A. design guides.
2. Greatly increased resistance to oxidative ageing due to carbon black and anti-oxidant in tires.
3. More durable and flexible with increased resistance to reflective cracking.
4. Strong resistance to rutting.
5. Greatly reduced tire noise.
6. Resistant to stripping and chain wear.
7. Resistant to thermal cracking.

INSTALLATION The **RUB-ARB®** Asphalt Rubber Binder is treated at the asphalt plant exactly like conventional binder. The asphalt rubber concrete pavement produced is installed using conventional paving technology.

WARRANTY

INFRATECH POLYMERS INC. warrants that **INFRATECH POLYMERS INC.**'s Asphalt Rubber Binder meets applicable ASTM, Federal State or Provincial specifications at time of delivery.

TECHNICAL

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

RUB-ARB® ASPHALT RUBBER BINDER CONTAINS 30% RECYCLED MATERIALS

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

DISTRIBUTED BY: CANADIAN CONSTRUCTION PRODUCTS 604-888-7171