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**PRODUCT DATA SHEET**

**ISAC**

PART NO. 33230

SEPTEMBER 2005

**READ BEFORE USING THIS PRODUCT**

**GENERAL** ISAC is a high performance base isolation, heavy duty geo-composite reinforcing membrane that provides the maximum level of reduction of reflective cracking of asphalt concrete overlays. ISAC (Interlayer Stress Absorbing Composite) isolates the overlay from the underlying pavement and reinforces with a high strength mesh to reduce cracking. ISAC is composed of a flexible, highly polymer modified asphalt mastic sandwiched between an upper layer of a specialized, high strength woven, open grid reinforcing polyester, and a bottom layer of a non-woven polyester fabric. The top layer is covered with a removable release liner. ISAC is supplied in a 36" (0.91 m) width, wound in rolls. To use, ISAC is unrolled onto a prepared pavement surface into an application of bonding adhesive to adhere it to the pavement surface, and then rolled to secure in place. The asphalt concrete overlay is then constructed on top. ISAC is used to reduce reflective cracking in asphalt overlays, placed over cracks and joints in both portland cement and asphalt concrete pavements. The polyester fabrics in ISAC are resistant to overlay temperatures up to 350°F (177°C).

**SPECIFICATION CONFORMANCE** ISAC meets the following specification requirements:

<u>Property*</u>	<u>Test Method</u>	<u>Requirement</u>
Thickness	ASTM D1777	0.150" (3.8 mm) min.
Weight		0.8 psf (3.7 kg/m <sup>2</sup> ) min.
Cold Flexibility	ASTM D146 (modified)	Pass at 0°F (-18°C)
Tensile Strength	ASTM D412, Die C	4000 psi (24.4 MPa) min.
Elongation	ASTM D412, Die C	10% min.
Brittleness	ASTM D517	Pass
Mastic Softening Point	ASTM D36	210°F (99°C) min.
Absorption (Mastic)	ASTM D517	1% max.
Thickness Retention	ASTM D395 (modified)	75% min.

\*Note: Sampling in accordance with ASTM D146.

**APPLICATION PROCEDURE** Prior to use, the user must read and follow Application Instructions for ISAC to verify proper product selection, surface preparation procedures, installation methods, usage precautions and safety procedures. These instructions are provided with each pallet of ISAC.

**PACKAGING** ISAC is produced in rolls that are placed on 40" x 48" (1.02m x 1.22m) pallets. ISAC is available only in the following width and length:

Part Number	Roll Width in/m	Roll Length ft/m	Area per Roll ft <sup>2</sup> /m <sup>2</sup>	Rolls per pallet	Area per Pallet ft <sup>2</sup> /m <sup>2</sup>	Weight/Pallet* lb/kg
33230	36 / 0.9	50 / 15.2	150 / 14.0	12	1800 / 168	1600 / 726

\* Note: Pallet weights are approximate.

**STORAGE** ISAC is to be stored indoors at temperatures not exceeding 120°F (49°C) and kept dry.

**WARRANTY** CRAFCO, Inc. warrants that CRAFCO products meet applicable ASTM, AASHTO, Federal or State specifications at time of shipment. Techniques used for the preparation and installation are beyond our control as are the use and application of the products; therefore, Crafcoco shall not be responsible for improperly applied or misused products. Remedies against Crafcoco, Inc., as agreed to by Crafcoco, are limited to replacing nonconforming product or refund (full or partial) of purchase price from Crafcoco, Inc. All claims for breach of this warranty must be made within three (3) months of the date of use or twelve (12) months from the date of delivery by Crafcoco, Inc. whichever is earlier. There shall be no other warranties expressed or implied. **For optimum performance, follow Crafcoco recommendations for product installation.**