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**PRODUCT DATA SHEET**

**PAVEPREP TSA**

PART NO. 33280, 33281, 33283

JUNE 2014

**READ BEFORE USING THIS PRODUCT**

**GENERAL** PavePrep TSA is a heavy duty, high strength, geocomposite self-adhesive membrane used to reinforce and waterproof pavement cracks and joints, to reduce reflective cracking of asphalt concrete overlays, and as heavy duty bridge deck waterproofing membrane. PavePrep TSA is designed with the same high strength characteristics of PavePrep except that it can reduce the shadowing affect in asphalt concrete overlays as thin as 1/2" when compacted. PavePrep TSA is composed of a flexible high density asphalt mastic between a top layer of heat resistant, high strength woven polyester reinforcing fabric and a bottom layer of non-woven heat resistant polyester fabric with a polymer modified asphalt self-adhesive layer and removable release liner. To use, PavePrep TSA is removed from the box, unrolled onto the prepared pavement surface while removing the release liner, and then pressure rolled to secure in place. For some uses, and if pavement surface temperature is below 70°F (21°C), primer is required prior to installation. The asphalt concrete overlay is then placed on top of the installed PavePrep TSA membrane. PavePrep TSA can be used to reinforce and waterproof many discontinuities in both asphalt and concrete pavements, including transverse and longitudinal cracks and joints, utility cuts, construction joints, and previously repaired areas. The PavePrep TSA polyester fabrics are resistant to asphalt concrete pavement overlay temperatures up to 350°F (177°C) and hot-applied sealing mastic application temperatures up to 375°F (191°C).

**SPECIFICATION CONFORMANCE** PavePrep TSA meets specification performance requirements of most state highway departments (except for thickness and weight) for self-adhesive heavy duty reflective crack control and waterproofing membrane. Specification requirements follow:

<u>Property*</u>	<u>Test Method</u>	<u>Requirement</u>
Thickness	ASTM D1777	0.080 – 0.115 inches (2.0 – 2.9 mm)
Weight		0.47 lb/sq ft (3.7 kg/m <sup>2</sup> ) minimum
Mastic Density	ASTM D70	80 PCF (1.28g/cc) minimum
Cold Flexibility	ASTM D146 (modified)	Pass at 32°F (0°C)
Tensile Strength	ASTM D412, Die C	2000 psi (13.3MPa) minimum
Elongation	ASTM D412, Die C	20% min.
Brittleness	ASTM D517	Pass
Heat Stability	2"x 5" (5.1 x 12.7 mm) specimen hung vertically for 2 hr at 190°F, (88°C)	No dripping or delamination
Mastic Softening Point	ASTM D36	210°F (99°C) minimum
Puncture Resistance	ASTM E154	450 lb (202N) min.
Absorption (Mastic)	ASTM D517	1% maximum
Thickness Retention	ASTM D395 (modified)	75% min.

\*Note: Sampling in accordance with ASTM D146.

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

**PACKAGING** PavePrep TSA is produced in roll widths of 12", 24" and 48". Each roll is packaged in a box, and rolls are palletized on 40" x 52" (1.02m x 1.32m) pallets. PavePrep TSA is available in the following widths and lengths:

Part Number	ROLL			PALLET			TRUCKLOAD			
	Width in / m	Length ft / m	Area ft <sup>2</sup> / m <sup>2</sup>	Roll qty	Area ft <sup>2</sup> / m <sup>2</sup>	Weight* lb / kg	Pallet qty**	Roll qty	Area ft <sup>2</sup> / m <sup>2</sup>	Weight* lb / kg
33280	12 / .30	50 / 15.2	50 / 4.6	48	2400 / 223	1700 / 770	24	1152	57,600 / 5,352	40,800 / 18,500
33281	24 / .61	50 / 15.2	100 / 9.3	24	2400 / 223	1700 / 770	24	576	57,600 / 5,352	40,800 / 18,500
33283	48 / 1.22	50 / 15.2	200 / 18.6	12	2400 / 223	1700 / 770	24	288	57,600 / 5,352	40,800 / 18,500

\*Weight is the approximate gross weight.

\*\*Number of pallets per truckload may vary depending on truck weight and size. 24 pallets will normally fit on a minimum 48' truck.

**STORAGE** PavePrep products are to be stored indoors at temperatures not exceeding 120°F (49°C) and kept dry. Do not double stack.

**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, Crafcoc shall not be responsible for improperly applied or misused products. Remedies against Crafcoc, Inc., as agreed to by Crafcoc, are limited to replacing nonconforming product or refund (full or partial) of purchase price from Crafcoc, 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 Crafcoc, Inc. whichever is earlier. There shall be no other warranties expressed or implied. **For optimum performance, follow Crafcoc recommendations for product installation.**