



PETROTAC<sup>®</sup> 4591 is a self-adhesive paving strip membrane geotextile produced by Propex, and will meet the following Typical Roll Values when tested in accordance with the methods listed below. PETROTAC 4591 is used as a strip membrane to treat local pavement distress and joints and cracks (effective over moderate cracks/joints)<sup>1</sup>. It is also used as a bridge deck membrane moisture barrier.

PETROTAC 4591 conforms to the property values listed below and meets the requirements of ASTM D-6153 for type III Bridge Deck Waterproofing Membrane Systems<sup>2</sup>. Propex performs internal Manufacturing Quality Control (MQC) tests that have been accredited by the Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP).

TYPICAL<sup>3</sup>

PROPERTY	Test Method	ENGLISH	METRIC
<b>ORIGIN OF MATERIALS</b>			
% U.S. Manufactured		100%	100%
<b>MECHANICAL</b>			
Strip Tensile Strength	ASTM D-882 (modified)	75 lbs/in	13,135 N/m
Puncture Resistance	ASTM E-154	200 lbs	890 N
<b>ENDURANCE</b>			
Permeance-Perms	ASTM E-96 Method B	0.05 max	0.05 max
Pliability - 1/4" Mandrel 180° Blend at -25 °F	ASTM D-146 (modified)	No cracks in fabric or rubberized asphalt	No cracks in fabric or rubberized asphalt
Roll Sizes		12 in x 108 ft	0.31 m x 32.9 m
		18 in x 108 ft	0.46 m x 32.9 m
		24 in x 108 ft	0.61 m x 32.9 m
		36 in x 45 ft	0.91 m x 13.7 m

**NOTES:**

1. Propex suggests that the minimum temperature of the asphalt overlay be 280 °F during installation.
2. The property values listed above are effective 12/20/2018 and are subject to change without notice. Values represent testing at time of manufacture.
3. Values shown are in weaker principal direction.



ENGINEERED PAVING SOLUTIONS<sup>™</sup>

[www.propexglobal.com](http://www.propexglobal.com)

**Propex Operating Company, LLC** · 4019 Industry Drive · Chattanooga, TN 37416 · ph 800 621 1273 · ph 423 855 1466

ARMORMAX<sup>®</sup>, PYRAMAT<sup>®</sup>, LANDLOK<sup>®</sup>, X3<sup>®</sup>, PYRAWALL<sup>®</sup>, SCOURLOK<sup>®</sup>, GEOTEX<sup>®</sup>, PETROMAT<sup>®</sup>, PETROMAT<sup>®</sup> PLUS-WHITE, PETROTAC<sup>®</sup>, REFLECTEX<sup>®</sup>, and GRIDPRO<sup>™</sup> are registered trademarks of Propex Operating Company, LLC.

This publication should not be construed as engineering advice. While information contained in this publication is accurate to the best of our knowledge, Propex does not warrant its accuracy or completeness. The ultimate customer and user of the products should assume sole responsibility for the final determination of the suitability of the information and the products for the contemplated and actual use. The only warranty made by Propex for its products is set forth in our product data sheets for the product, or such other written warranty as may be agreed by Propex and individual customers. Propex specifically disclaims all other warranties, express or implied, including without limitation, warranties of merchantability or fitness for a particular purpose, or arising from provision of samples, a course of dealing or usage of trade.