



PETROTAC® 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)¹. 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 Systems². Propex performs internal Manufacturing Quality Control (MQC) tests that have been accredited by the Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP).

TYPICAL³

PROPERTY	Test Method	ENGLISH	METRIC
ORIGIN OF MATERIALS			
% U.S. Manufactured		100%	100%
MECHANICAL			
Strip Tensile Strength	ASTM D-882	75 lbs/in	13,135 N/m
Puncture Resistance	ASTM E-154	200 lbs	890 N
ENDURANCE			
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 01/19/2021 and are subject to change without notice. Values represent testing at time of manufacture.
3. Values shown are in weaker principal direction.

