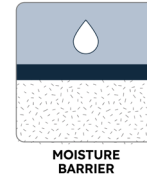
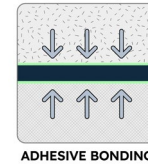


# PETROTAC 4591



PETROTAC® 4591 is a self adhesive paving strip membrane geotextile, 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 (effected over moderate cracks/joints<sup>1</sup>. It is also used as a bridge deck 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>.

TenCate Geosynthetics Americas (A Solmax Company) is accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program ([GAI-LAP](#)).

PETROTAC 4591 meets Build America, Buy America Act, Pub. L. No. 117-58, div. G §§ 70901-52.

MECHANICAL PROPERTIES	TEST METHOD	UNIT	TYPICAL <sup>3</sup>
Strip Tensile	ASTM D-882	lbs/in (N/m)	75 (13,135)
Puncture Resistance	ASTM E-154	lbs (N)	200 (890)
Permeance – Perms	ASTM E-96 Method B		0.05 (max)
Pliability	ASTM D146 ¼” Mandrel 180° @ -25° F	No cracks in fabric or rubberized asphalt	

MECHANICAL PROPERTIES	TEST METHOD	UNIT	MINIMUM ROLL VALUE
Asphalt Retention	ASTM D6140	gal/yd <sup>2</sup> (l/m <sup>2</sup> )	≥ 0.20 (0.91)
Melting Point	ASTM D276	F° (C°)	325 (163)
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	70

PHYSICAL PROPERTIES	UNIT	TYPICAL ROLL VALUE
Roll Dimensions (width x length)	in x ft (m)	12in x 108ft (.31 x 32.9)
		18in x 108ft (.46 x 32.9)
		24in x 108ft (.61 x 32.9)
		36in x 45ft (.91 x 13.7)
		48in x 50ft (1.22 x 15.2)
Roll Area	yd <sup>2</sup> (m <sup>2</sup> )	12 (10)
		18 (18)
		24 (20)
		15 (13)
		22 (19)
Estimated Roll Weight	lbs (kg)	44 (20)
		67 (30)
		89 (40)
		56 (25)
		82 (37)

<sup>1</sup>Minimum temperature of 280° F of asphalt overlay suggested during installation.

<sup>2</sup>Property values listed above are effective 01/19/2021 and are subject to change without notice. values represent testing at time of manufacture.

<sup>3</sup>Values shown are in weaker principal direction.

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Solmax is not a design or engineering professional and has not performed any such design services to determine if Solmax's goods comply with any project plans or specifications, or with the application or use of Solmax's goods to any particular system, project, purpose, installation, or specification.  
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