

# AQUAPave®

Permeable On-Site Stormwater  
Source Control System

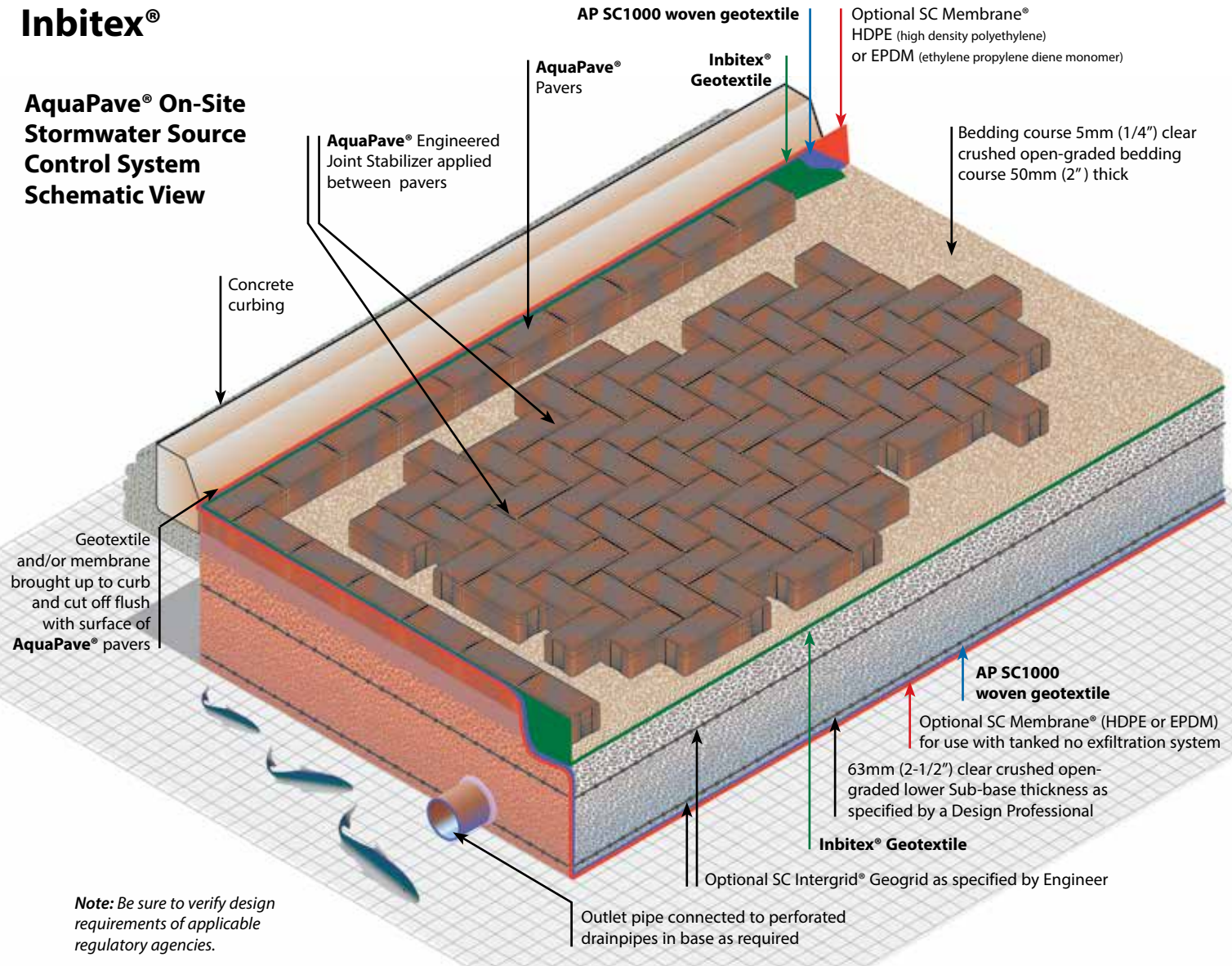


# AQUAPave®

Permeable On-Site Stormwater  
Source Control System

## Inbitex®

### AquaPave® On-Site Stormwater Source Control System Schematic View



## Inbitex®



**Inbitex®** is a thermally bonded nonwoven geotextile. Inbitex® has been specifically developed to optimize the cleansing of water entering the system.

The various characteristics have been combined to create a unique geotextile that aids in the development of naturally occurring microbes, and offers them refuge during periods of drought.



Oldcastle APG  
A CRH COMPANY

Physical Properties	Test Method	Unit	Value
Mass	EN 965	g/m <sup>2</sup>	130
		oz/yd <sup>2</sup>	3.82
Roll Width		m (ft)	4.5 (14.75)
Roll Length		m (ft)	100 (328)



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A CRH COMPANY

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<b>Mechanical Properties</b>	<b>Test Method</b>	<b>Unit</b>	<b>Value</b>
<b>Wide Width Strip Tensile</b>	EN ISO 10319		
• Mean Peak Strength		kN/m	8.5
• Elongation at Peak Strength		%	28
<b>CBR Puncture Resistance</b>	EN ISO 12236		
• Mean Peak Strength		N	1575
<b>Trapezoid Tear Resistance</b>	ASTM D4533		
• Mean Peak Strength		N	325
<b>Hydraulic Properties</b>			
<b>Pore Size</b>			
• Mean AOS $Q_{90}$	ENISO 12956	mm	0.145
<b>Water Flow</b>			
• Mean Flow $VI_{H50}$	EN ISO 11058	$10^{-3}ms^{-1}(l/m^2s)$	80
<b>Water Breakthrough</b>			
• Mean Head	BS 6906: Part 3	mm	50
<b>Air Permeability</b>			
Mean Flow	ISO 9237	$l/m^2s$	2875

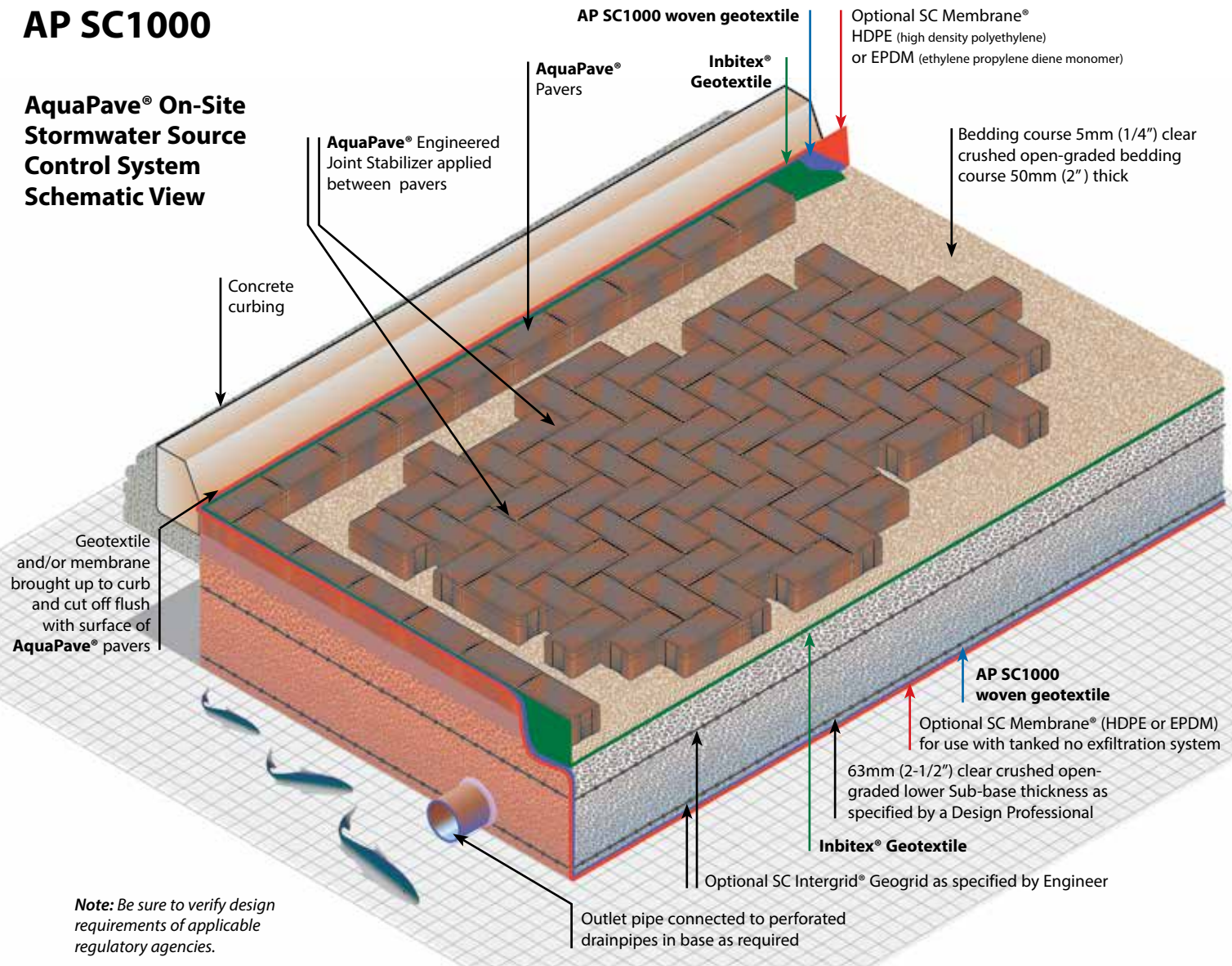
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## AP SC1000

### AquaPave® On-Site Stormwater Source Control System Schematic View



## AP SC1000



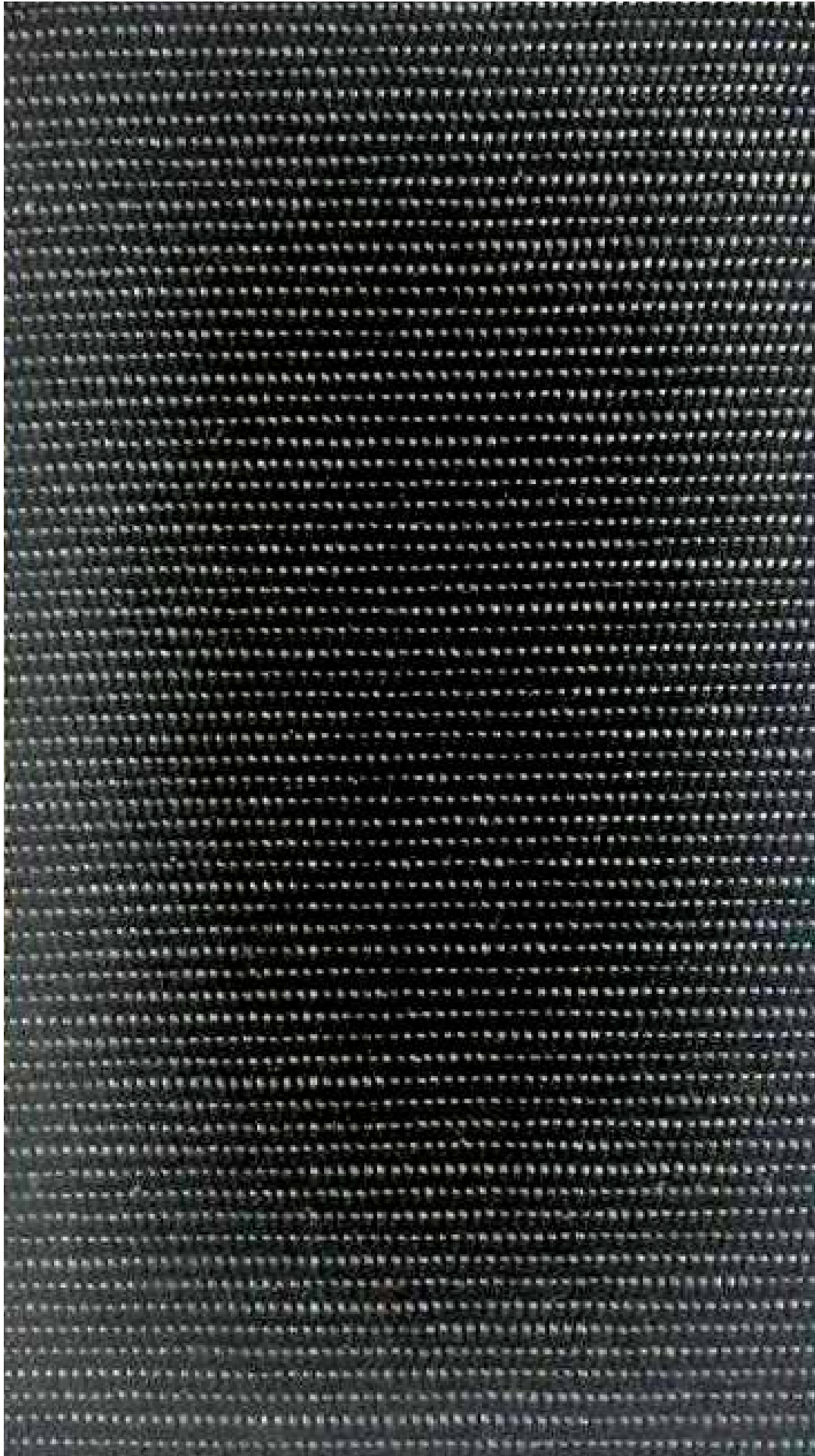
**AP SC1000** is composed of high-tenacity monofilament and slit tape polypropylene yarn, which are woven into a stable network such that the yarns retain their relative position.

AP SC1000 is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.



Physical Properties	Test Method	Unit	Typical Value
Mass/Unit Area	ASTM D 5261	g/m <sup>2</sup> (oz/yd <sup>2</sup> )	298 (8.8)
Thickness	ASTM D 5199	mm (mils)	0.9 (34)
Roll Dimensions (width x length)	--	m (ft)	4.5 (15) x 91 (300)
Roll Area	--	m <sup>2</sup> (yd <sup>2</sup> )	418 (500)
Estimated Roll Weight	--	kg (lbs)	132 (292)





Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Wide Width Tensile Strength	ASTM D 4595	kN/m (lbs/in)	43.8 (250)	40.3 (230)
Grab Tensile Strength	ASTM D 4632	N (lbs)	1780 (400)	1402 (315)
Grab Tensile Elongation	ASTM D 4632	%	15	15
Trapezoid Tear Strength	ASTM D 4533	N (lbs)	666 (150)	734 (165)
CBR Puncture Strength	ASTM D 6241	N (lbs)		5118 (1150)
Apparent Opening Size (AOS) <sup>1</sup>	ASTM D 4751	mm (U.S. Sieve)		0.43 (40)
Percent Open Area	COE-02215	%		1
Permittivity	ASTM D 4491	sec <sup>-1</sup>		0.90
Permeability	ASTM D 4491	cm/sec		0.07
Flow Rate	ASTM D 4491	l/min/m <sup>2</sup> (gal/min/ft <sup>2</sup> )		2852 (70)
Abrasion Resistance	ASTM D 4886	% retained		60 (typical)
UV Resistance (at 500 hours)	ASTM D 4355	% strength retained		90

<sup>1</sup> ASTM D 4751: AOS is a Maximum Opening Diameter Value

*DISCLAIMER: Ten Cate Nicolon warrants our products to be free from defects in material and workmanship when delivered to Ten Cate Nicolon's customers and that our products meet our published specifications. Contact your local Ten Cate Nicolon Representative for detailed product specification and warranty information.*