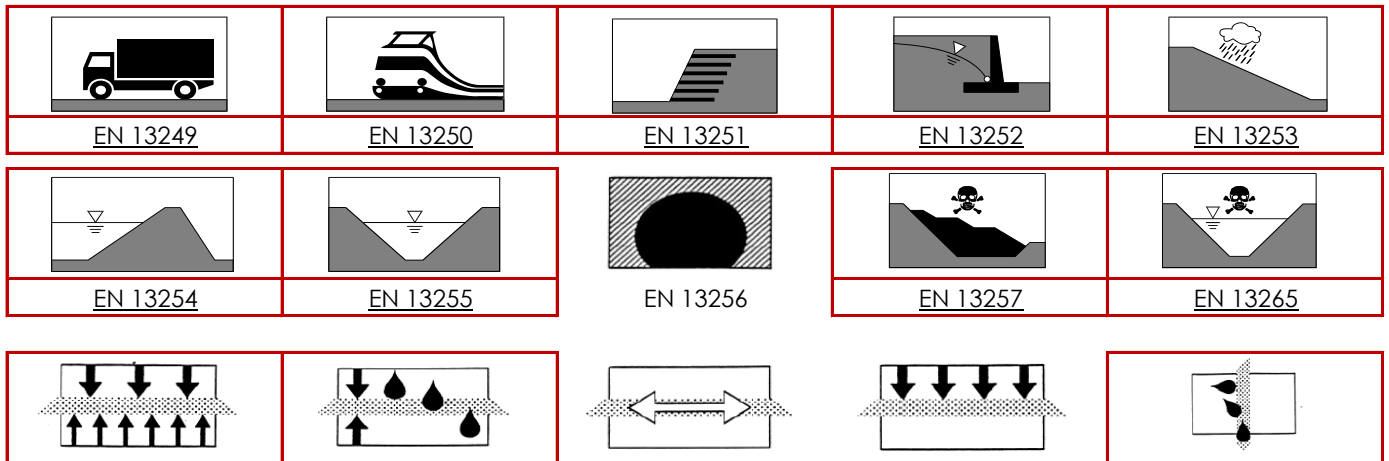


Declaration of Performance

**Bontec
NW 10**

Bontec®, Industriestraat 39, Zone 2 9240 Zele, Belgium Tel.: + 32 52 457 411 Fax: + 32 52 445 604 E-mail: info@bonar.com Factory code: 615	The Notified Body performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control.
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AVCP-system 2+ Notified body no. 1137



Essential characteristics	Performance	Tolerance	Harmonized technical specification
Tensile strength MD	10 kN/m	-1,3 kN/m	EN ISO 10319
Tensile strength CMD	10 kN/m	-1,3 kN/m	EN ISO 10319
Elongation MD	45 %	+/-10,4 %	EN ISO 10319
Elongation CMD	55 %	+/-12,7 %	EN ISO 10319
Static puncture test (CBR)	1,6 kN	-0,32 kN	EN ISO 12236
Dynamic perforation resistance - cone drop	28 mm	+7,0 mm	EN ISO 13433
Pyramid Puncture	Not applicable		
water permeability normal to the plane	106x10 ⁻³ m/s	-32x10 ⁻³ m/s	EN ISO 11058
water flow capacity in the plane	2x10 ⁻⁷ m ² /s	-10 % log g	EN ISO 12958
characteristic opening size	110 µm	+/-33,0 µm	EN ISO 12956
Predicted durability in years in natural soils with 4 < pH < 9 and soil temperatures < 25°C	25		Annex B
Maximum allowed time between installation and covering of the geotextile	2 weeks		
Weight	120 g/m ²	+/-12,0 g/m ²	EN ISO 9864
Thickness under 2 kPa	1,15 mm	+/-0,23 mm	EN ISO 9863-1
Composition	100% polypropylene non-woven geotextile		

The performance of the product identified above is in conformity with the declared performance in above table. This declaration of performance is issued under the sole responsibility of Bontec®

Zele, Belgium
1/07/2013

Wouter Spleers
Manager Quality Assurance

Declaration of Performance

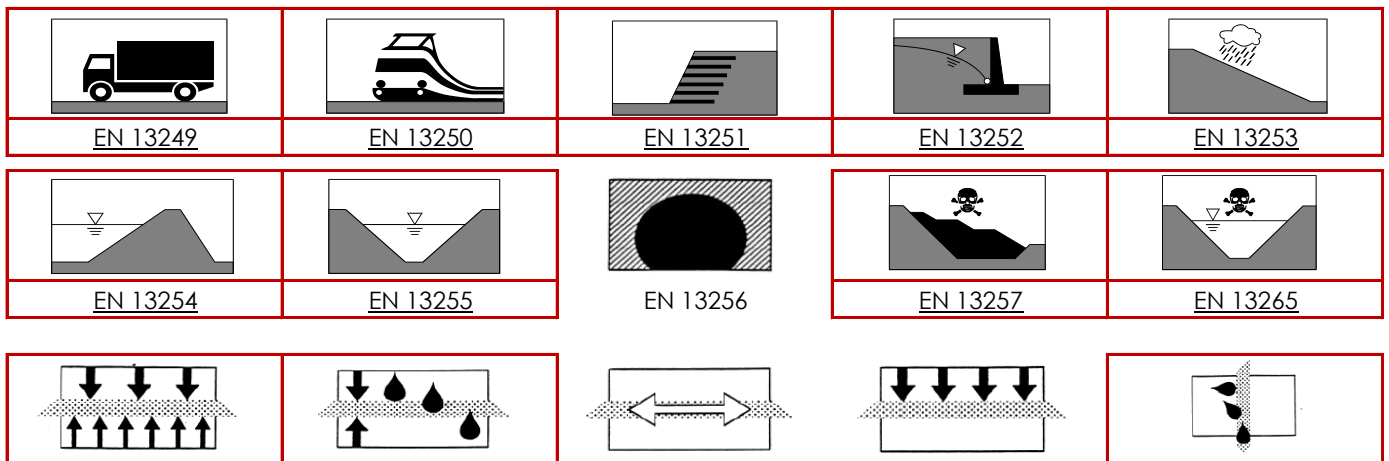
**Bontec
NW 15**

Bontec®, Industriestraat 39, Zone 2 9240 Zele, Belgium Tel.: + 32 52 457 411 Fax: + 32 52 445 604 E-mail: info@bonar.com Factory code: 615	The Notified Body performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control.
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AVCP-system

2+

Notified body no. 1137



Essential characteristics	Performance	Tolerance	Harmonized technical specification
Tensile strength MD	15 kN/m	-2 kN/m	EN ISO 10319
Tensile strength CMD	15 kN/m	-2 kN/m	EN ISO 10319
Elongation MD	45 %	+/-10,4 %	EN ISO 10319
Elongation CMD	55 %	+/-12,7 %	EN ISO 10319
Static puncture test (CBR)	2,5 kN	-0,5 kN	EN ISO 12236
Dynamic perforation resistance - cone drop	20 mm	+5,0 mm	EN ISO 13433
Pyramid Puncture	Not applicable		
water permeability normal to the plane	90x10 ⁻³ m/s	-27x10 ⁻³ m/s	EN ISO 11058
water flow capacity in the plane	3x10 ⁻⁷ m ² /s	-10 % log g	EN ISO 12958
characteristic opening size	90 µm	+/-27,0 µm	EN ISO 12956
Predicted durability in years in natural soils with 4 < pH < 9 and soil temperatures < 25°C	25		Annex B
Maximum allowed time between installation and covering of the geotextile	2 weeks		
Weight	180 g/m ²	+/-18,0 g/m ²	EN ISO 9864
Thickness under 2 kPa	1,2 mm	+/-0,24 mm	EN ISO 9863-1
Composition	100% polypropylene non-woven geotextile		

The performance of the product identified above is in conformity with the declared performance in above table. This declaration of performance is issued under the sole responsibility of Bontec®

Zele, Belgium
1/07/2013

Wouter Spleers
Manager Quality Assurance

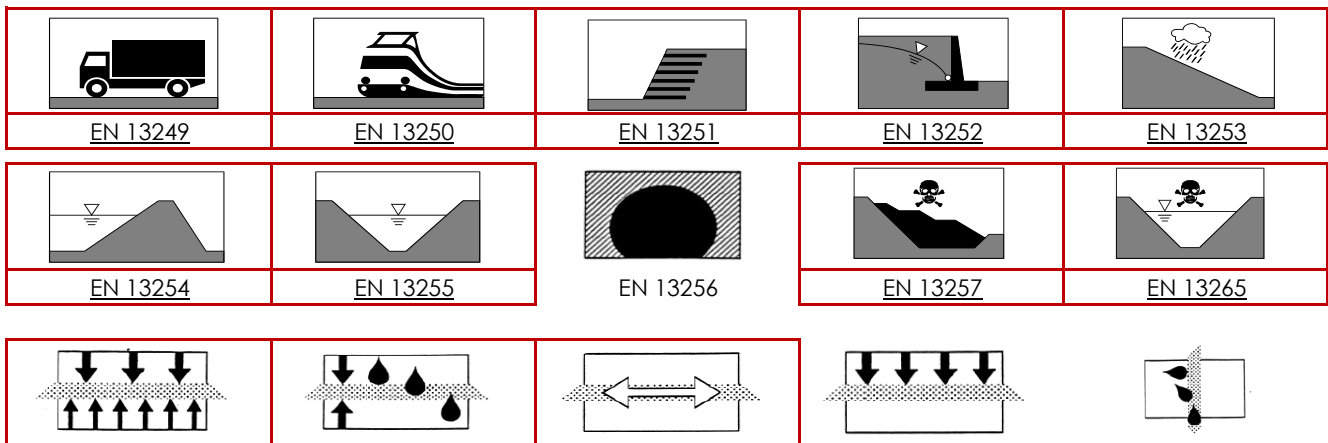
Declaration of Performance

**Bontec
SG 18/18 B**

Bontec®, Industriestraat 39, Zone 2 9240 Zele, Belgium Tel.: + 32 52 457 411 Fax: + 32 52 445 604 E-mail: info@bonar.com Factory code: 601	The Notified Body performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control.
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AVCP-system 2+

Notified body no. 1137



Essential characteristics	Performance	Tolerance	Harmonized technical specification
Tensile strength MD	17,25 kN/m	-2,2 kN/m	EN ISO 10319
Tensile strength CMD	17,25 kN/m	-2,2 kN/m	EN ISO 10319
Elongation MD	26 %	+/-6,0 %	EN ISO 10319
Elongation CMD	26 %	+/-6,0 %	EN ISO 10319
Static puncture test (CBR)	2,25 kN	-0,45 kN	EN ISO 12236
Dynamic perforation resistance - cone drop	17 mm	+3,4 mm	EN ISO 13433
Protection efficiency	Not applicable		
Water permeability normal to the plane	23x10 ⁻³ m/s	-7x10 ⁻³ m/s	EN ISO 11058
Water flow capacity in the plane 20 kPa	Not applicable		
Characteristic opening size	305 µm	+/-91,5 µm	EN ISO 12956
Predicted minimal durability in years in natural soils with 4 < pH < 9 and soil temperatures < 25°C	25		Annex B
Maximum allowed time between installation and covering of the geotextile	2 weeks		
Weight	90 g/m ²	+/-9,0 g/m ²	EN ISO 9864
Thickness under 2 kPa	0,25 mm	+/-0,05 mm	EN ISO 9863-1
Composition	100% polypropylene woven geotextile		

The performance of the product identified above is in conformity with the declared performance in above table. This declaration of performance is issued under the sole responsibility of Bontec®

Zele, Belgium
1/07/2013

Wouter Spleers
Manager Quality Assurance

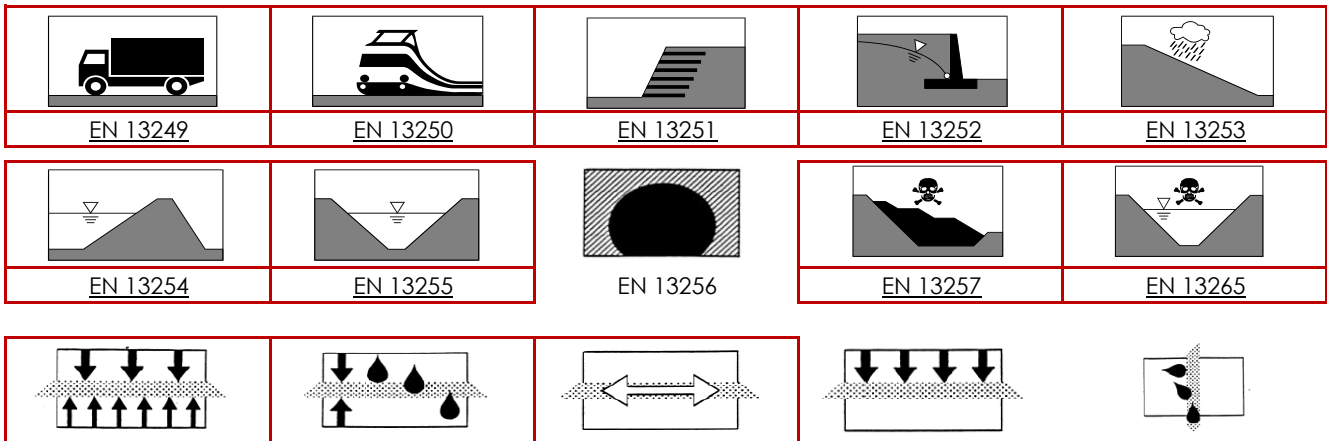
Declaration of Performance

**Bontec
SG 18/18 F**

Bontec®, Industriestraat 39, Zone 2 9240 Zele, Belgium Tel.: + 32 52 457 411 Fax: + 32 52 445 604 E-mail: info@bonar.com Factory code: 601	The Notified Body performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control.
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AVCP-system 2+

Notified body no. 1137



Essential characteristics	Performance	Tolerance	Harmonized technical specification
Tensile strength MD	17,25 kN/m	-2,2 kN/m	EN ISO 10319
Tensile strength CMD	17,25 kN/m	-2,2 kN/m	EN ISO 10319
Elongation MD	20,1 %	+/-4,6 %	EN ISO 10319
Elongation CMD	22 %	+/-5,1 %	EN ISO 10319
Static puncture test (CBR)	2,25 kN	-0,45 kN	EN ISO 12236
Dynamic perforation resistance - cone drop	22 mm	+4,4 mm	EN ISO 13433
Protection efficiency	Not applicable		
Water permeability normal to the plane	23x10 ⁻³ m/s	-7x10 ⁻³ m/s	EN ISO 11058
Water flow capacity in the plane 20 kPa	Not applicable		
Characteristic opening size	390 µm	+/-175,5 µm	EN ISO 12956
Predicted minimal durability in years in natural soils with 4 < pH < 9 and soil temperatures < 25°C	25		Annex B
Maximum allowed time between installation and covering of the geotextile	Not applicable		
Weight	82 g/m ²	+/-8,2 g/m ²	EN ISO 9864
Thickness under 2 kPa	0,25 mm	+/-0,05 mm	EN ISO 9863-1
Composition	100% polypropylene woven geotextile		

The performance of the product identified above is in conformity with the declared performance in above table. This declaration of performance is issued under the sole responsibility of Bontec®

Zele, Belgium
11/07/2013

Wouter Spleers
Manager Quality Assurance

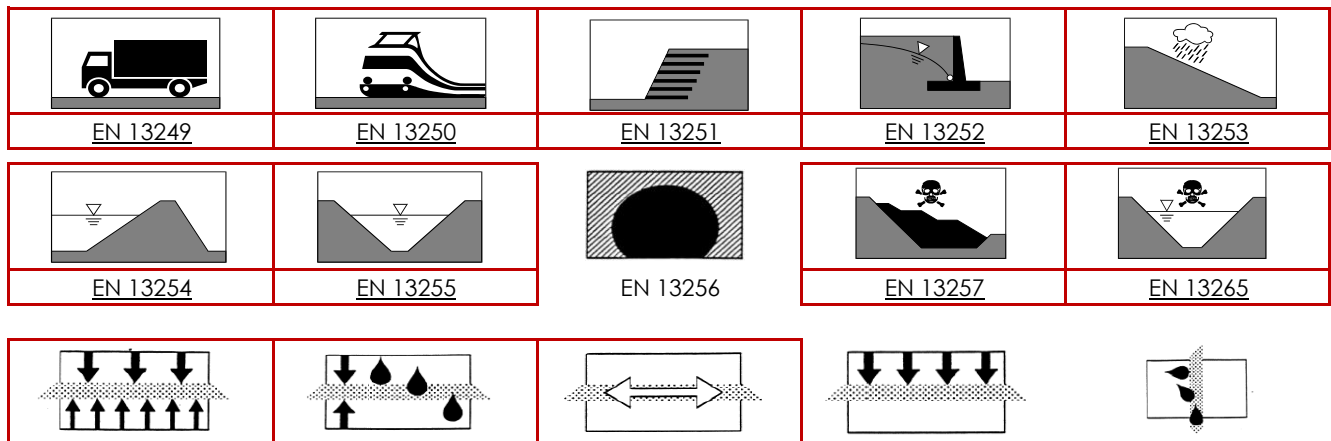
Declaration of Performance

Bontec SG 29/29

Bontec®, Industriestraat 39, Zone 2 9240 Zele, Belgium Tel.: + 32 52 457 411 Fax: + 32 52 445 604 E-mail: info@bonar.com Factory code: 601	The Notified Body performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control.
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AVCP-system 2+

Notified body no. 1137



Essential characteristics	Performance	Tolerance	Harmonized technical specification
Tensile strength MD	29 kN/m	-3,8 kN/m	EN ISO 10319
Tensile strength CMD	29 kN/m	-3,8 kN/m	EN ISO 10319
Elongation MD	26 %	+/-6,0 %	EN ISO 10319
Elongation CMD	26 %	+/-6,0 %	EN ISO 10319
Static puncture test (CBR)	4,07 kN	-0,81 kN	EN ISO 12236
Dynamic perforation resistance - cone drop	10,8 mm	+2,16 mm	EN ISO 13433
Protection efficiency	Not applicable		
Water permeability normal to the plane	23x10 ⁻³ m/s	-7x10 ⁻³ m/s	EN ISO 11058
Water flow capacity in the plane 20 kPa	Not applicable		
Characteristic opening size	350 µm	+/-105,0 µm	EN ISO 12956
Predicted minimal durability in years in natural soils with 4 < pH < 9 and soil temperatures < 25°C	25		Annex B
Maximum allowed time between installation and covering of the geotextile	2 weeks		
Weight	178 g/m ²	+/-17,8 g/m ²	EN ISO 9864
Thickness under 2 kPa	1 mm	+/-0,20 mm	EN ISO 9863-1
Composition	100% polypropylene woven geotextile		

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Zele, Belgium
1/07/2013

Wouter Spleers
Manager Quality Assurance

Declaration of Performance

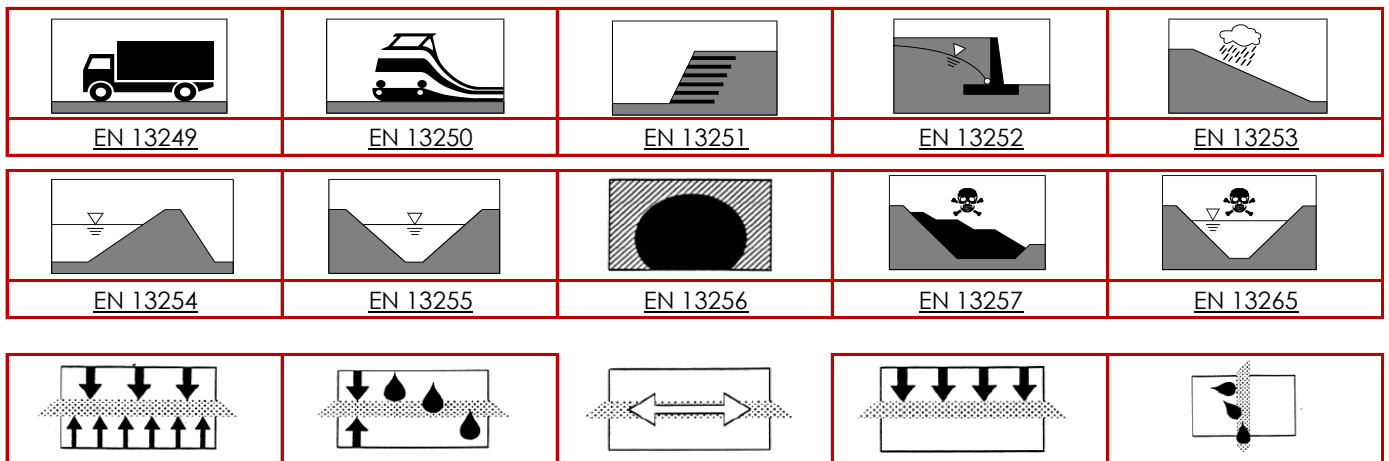
**Bontec
SNW 14**

Bontec®, Industriestraat 39, Zone 2 9240 Zele, Belgium Tel.: + 32 52 457 411 Fax: + 32 52 445 604 E-mail: info@bonar.com Factory code: 615	The Notified Body performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control.
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AVCP-system

2+

Notified body no. 1137



Essential characteristics	Performance	Tolerance	Harmonized technical specification
Tensile strength MD	8 kN/m	-1 kN/m	EN ISO 10319
Tensile strength CMD	8 kN/m	-1 kN/m	EN ISO 10319
Elongation MD	40 %	+/-9,2 %	EN ISO 10319
Elongation CMD	55 %	+/-12,7 %	EN ISO 10319
Static puncture test (CBR)	1,4 kN	-0,28 kN	EN ISO 12236
Dynamic perforation resistance - cone drop	28 mm	+7 mm	EN ISO 13433
Pyramid Puncture	85 N	-17 N	EN 14574
water permeability normal to the plane	110x10 ⁻³ m/s	-33x10 ⁻³ m/s	EN ISO 11058
water flow capacity in the plane	1x10 ⁻⁷ m ² /s	-10 % log g	EN ISO 12958
characteristic opening size	120 µm	+/-36 µm	EN ISO 12956
Predicted durability in years in natural soils with 4 < pH < 9 and soil temperatures < 25°C	25		Annex B
Maximum allowed time between installation and covering of the geotextile	2 weeks		
Weight	120 g/m ²	+/-12,0 g/m ²	EN ISO 9864
Thickness under 2 kPa	1,2 mm	+/-0,24 mm	EN ISO 9863-1
Composition	100% polypropylene non-woven geotextile		

The performance of the product identified above is in conformity with the declared performance in above table. This declaration of performance is issued under the sole responsibility of Bontec®

Zele, Belgium
1/07/2013

Wouter Spleers
Manager Quality Assurance