



Standard Specifications for Wicks® Fishbone Prefabricated Vertical Drain series

Physical Drain Properties	Test Methods	Unit	F3007R	F3007	F3010R	F3010	F3012R	F3012	F4007	F4010	F4012
Core Type	-	-	fishbone	fishbone	fishbone	fishbone	fishbone	fishbone	fishbone	fishbone	fishbone
Drain width	ASTM D3774 ISO 22198	mm	100 ± 5	100 ± 5	100 ± 5	100 ± 5	100 ± 5	100 ± 5	100 ± 5	100 ± 5	100 ± 5
Drain thickness	ASTM D5199 ISO 9863-1	mm	3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0
Core Material	-	-	PP	PP	PP	PP	PP	PP	PP	PP	PP
Filter Material	-	-	PET	PET	PET	PET	PET	PET	PET	PET	PET
Properties Composite Drain											
Tensile Strength, full width	ASTM D4595 ISO 10319	kN	≥ 2.0	≥ 2.2	≥ 2.3	≥ 2.5	≥ 2.3	≥ 2.5	≥ 2.7	≥ 2.7	≥ 2.7
Elongation at 1 kN	ASTM D4595 ISO 10319	%	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10
Discharge Straight (250,1)	ASTM D4716 ISO 12958	cm ³ /s	≥ 65	≥ 70	≥ 65	≥ 70	≥ 65	≥ 70	≥ 100	≥ 100	≥ 100
Properties Filter											
Wide width tensile strength	ASTM D4595 ISO 10319	kN/m	≥ 4.0	≥ 4.0	≥ 5.5	≥ 5.5	≥ 7.0	≥ 7.0	≥ 4.0	≥ 5.5	≥ 7.0
Grab tensile strength	ASTM D4632	N	≥ 350	≥ 350	≥ 400	≥ 400	≥ 600	≥ 600	≥ 350	≥ 400	≥ 600
Permeability	ASTM D4491 ISO 11058	m/s	≥ 1x10 ⁻⁴	≥ 1x10 ⁻⁴	≥ 2x10 ⁻⁴	≥ 2x10 ⁻⁴	≥ 2x10 ⁻⁴	≥ 2x10 ⁻⁴	≥ 1x10 ⁻⁴	≥ 2x10 ⁻⁴	≥ 2x10 ⁻⁴
AOS O ₉₅	ASTM D4751	µm	≤ 75	≤ 75	≤ 85	≤ 85	≤ 85	≤ 85	≤ 75	≤ 85	≤ 85
Packing details											
Roll length	-	m	300	300	300	300	300	300	250	250	250
Total length per 40ft HQ container	-	m	151,800	151,800	151,800	151,800	151,800	151,800	126,500	126,500	126,500

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Notes:

- The published results are based on both internal and independent laboratory testing. Due to standard variations, test results can vary 10% for Mechanical properties and 20% for Hydraulic properties
- Shown products are subject to continuous development and improvement. For additional specifications, technical advise or enquiries, please contact us by email at info@wicks.nl or check your nearest contact person at our website www.wicks.nl