

Fabric performance selection guide

Yarn style	Flow rate	Particle retention	Cake release	Blinding resistance	Moisture retention	Abrasion Resistance
Monofilament	High	Low	High	High	Low	High
Multifilament	Low	High/Medium	Medium	Medium	Medium	Medium
Staple fibre	Medium	High/Medium	Low	Low	High	Medium
Weave Pattern						
Plain	Low	High	Medium	Low	Low	Low
Twill	Medium	Medium	Low	Medium	High	High
Satin	High	Low	High	High	Medium	Medium

Yarn/weave fabric style selection

Fabric combination	Suggested performance & benefits	
Woven Multifilament	High particle retention efficiency, strength, cake release & dimensional stability	
Woven Monofilament - low permeability	Good particle retention efficiency, excellent cake release, blinding resistance & good washing properties	
Woven Monofilament - high permeability	High flow rate, good cake release, blinding resistance & good washing properties	
Woven Staple Fibre	Mechanical resistance, good retention efficiency, good sealing properties on filter presses	
Needlefelt - low permeability	High retention efficiency, durability, mechanical resistance & good sealing properties on filter presses	
Needlefelt - high permeability	High flow rate, good efficiency & durability	
Combination woven Multi/Monofilament	Good retention efficiency, durability, good cake release & blinding resistance	
Combination woven Multi/Staple fibre	Good retention efficiency, durability, good cake release & blinding resistance	
Equipment type	Particle size	Suggested suitable fabric
Plate & frame filter press	Fine	Woven Multifilament, Woven staple fibre, Needlefelt-low perm, Combination woven
Plate & frame filter press	Course	Woven Monofilament - high perm, Woven staple fibre
Chamber filter press/Membrane press	Fine	Woven Multifilament, Woven monofilament - Low perm, Woven staple fibre, Combination woven
Chamber filter press/Membrane press	Course	Woven Monofilament - high Perm, Combination Woven
Pressure Filter Belt		Woven Multifilament, Combination woven
Rotary Vacuum Drum	Fine	Woven Monofilament - low perm, Woven Staple Fibre, Needlefelt - Low perm, Combination woven
Rotary Vacuum Drum	Course	Woven Monofilament - high perm, Woven Staple Fibre, Needlefelt - High Perm
Rotary Vacuum Filter Belt		Woven Multifilament, Woven monofilament - High perm, Combination woven
Rotary Disc Filter		Woven Monofilament - high Perm, Woven Staple Fibre, Combination Woven
Horizontal Belt filter	Fine	Woven Multifilament, Woven Monofilament - Low perm, Needlefelt - Low perm
Horizontal Belt filter	Course	Woven Monofilament - high perm, Needlefelt - high perm, Combination woven
Centrifuge		Woven Multifilament, Woven staple fibre

Due to on-going product development, Filterfit reserves the right to change design and specifications without notice