



Ridder Black Out Screens (RBO 100 FR WB+B)

Product information	
Application	Inside
Main Function	For complete darkness control
System	Sliding and Hanging
Composition	63% Polyolefin, 37% Polyester
Pattern	top layer white black, Low layer black
Yarn	Black yarns
Flame retardant	Yes, NTA 8825:2018 CAN-ULC-S109 B1/DIN 4102
Warranty	Five years under all types of greenhouse covering, see Ridder Climate Screens limited warranty.

Mechanical properties	Value	Testing method
Screen weight	202 gr/m ²	
Width of strips	4 mm	

Physical properties	Value	Testing method
Shading level in direct light PAR*	99,9 %	Ridder Climate Screens method
Shading level in diffused light PAR*	99,9 %	Ridder Climate Screens method
Energy saving*	70 %	Ridder Climate Screens method

*PAR = 400 - 700 nm, accuracy +/- 1%



To control flowering and production in day-length-sensitive plants such as chrysanthemums and medicinal crops, growers need a strict light-exclusion (or blackout) strategy.

Ridder Blackout Screens have a highly efficient blackout ratio of 99.9%. Despite this high degree of light exclusion, the screens still provide an unprecedented degree of control over the temperature and climate inside the greenhouse. The weave of the material means it has excellent moisture-regulating properties. Ridder Blackout Screens are also highly suitable for reducing energy consumption.

Ridder Blackout Screens hermetically seal the greenhouse from all daylight, giving the grower complete control over the flowering stages of the crop.

Screentype	Material		Composition		Shading level*		NEN 2675:2018			Energy saving*	NTA Class	Weight gr/m2
	Strips	Yarn	Polyolefin	Polyester	Direct	Diffuse	Direct	Diffuse	Horti Scatter			
Ridder Black Out Screens												
RBO 100 FR B	PE	PET	59%	41%	99,0%	99,0%	-	-	-	51%	1	90
RBO 100 FR WB	PE	PET	63%	37%	99,0%	99,0%	-	-	-	51%	1	112
RBO 100 FR WB+B	PE	PET	63%	37%	99,9%	99,9%	-	-	-	70%	1	202
RBO 100 FR WB+B+B	PE	PET	62%	38%	99,99%	99,99%	-	-	-	74%	1	292
RBO 100 FR WB+B+B+W	PE	PET	65%	35%	99,99%	99,99%	-	-	-	74%	1	314
RBO 100 FR WB+B+W	PE	PET	67%	33%	99,9%	99,9%	-	-	-	71%	1	224
RBO 100 FR AB	ALU	PET	63%	37%	99,0%	99,0%	-	-	-	56%	1	127
RBO 100 FR AB+B	ALU	PET	61%	39%	99,9%	99,9%	-	-	-	75%	1	217
RBO 100 FR AB+B+B	ALU	PET	61%	39%	99,99%	99,99%	-	-	-	78%	1	307
RBO 100 FR AB+B+W	ALU	PET	65%	35%	99,9%	99,9%	-	-	-	75%	1	239
RBO 100 WB+B	PE	PET	63%	37%	99,9%	99,9%	-	-	-	70%	-	202
RBO 100 WB+B+W	PE	PET	67%	33%	99,9%	99,9%	-	-	-	71%	-	224
RBO 100 WB+B+B	PE	PET	62%	38%	99,99%	99,99%	-	-	-	74%	-	292
RBO 100 WB+B+B+W	PE	PET	65%	35%	99,99%	99,99%	-	-	-	74%	-	314
RBO 100 A+B	ALU	PET	63%	37%	99,9%	99,9%	-	-	-	75%	-	195
Ridder Black Out Rolling Screens												
RBO 100 R FR W	PE	-	100%		99,9%	99,9%	-	-	-	70%	3	240
Side hanging cloth for RBO cloths	Material	Length of roll	Shading level*		NEN 2675:2018			Energy saving*	NTA Class	gr/m2		
			Direct	Diffuse	Direct	Diffuse	Horti Scatter					
Ridder Black FR	Polyester	50,00m & 100,00m	99,5%	99,5%	-	-	-	45%	1	255		