



## Ridder Energy Saving Screens (RES 10 D FR)

### Product information

Application	Inside
Main Function	Energy saving with maximum light transmission
System	Sliding and Hanging
Composition	100% Polyester
Pattern	diffuse
Yarn	transparent yarns
Flame retardant	Yes, NTA 8825:2018   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	57 gr/m <sup>2</sup>	
Width of strips	4 mm	

Physical properties	Value	Testing method
Shading level in direct light PAR*	15 %	Ridder Climate Screens method
	24 %	NEN 2675:2018
Shading level in diffused light PAR*	24 %	Ridder Climate Screens method
	35 %	NEN 2675:2018
HortiScatter	53 %	NEN 2675:2018
Energy saving*	47 %	Ridder Climate Screens method

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



Many growers also want more control over their energy consumption. And they want to derive the maximum benefit from valuable daylight to help their plants thrive.

We developed the Ridder Energy-Saving Screen for crops that require intensive heating. This highly transparent energy-conserving climate screen prevents heat loss, allows valuable daylight in, and ensures the best possible climate for growing thanks to its excellent moisture-transporting properties.

Crops that require a lot of heating are associated with higher energy costs. However, crop yields and productivity can benefit greatly from precious daylight and the right humidity levels, so growers need an insulating screen that not only reduces heat loss through radiation, but also has excellent transparency and moisture-permeability.

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			
<b>Ridder Energy Saving Screens</b>												
RES 10+ FR	PET	PET		100%	11%	20%	18,2%	25,8%	9,0%	47%	1	52
RES 10 FR	PET	PET		100%	13%	20%	19,6%	28,6%	10,0%	47%	1	56
RES 10 D FR	PET	PET		100%	15%	24%	24,0%	35,0%	53,0%	47%	1	57
RES 10	PET	PET		100%	13%	20%	-	-	-	47%	-	56
RES 10 D	PET	PET		100%	15%	24%	-	-	-	47%	-	57
<b>Ridder Energy Saving Rolling Screens</b>												
RES 10 R FR	PET	PET		100%	19%	23%	15,0%	25,3%	9,0%	47%	3	131
RES 10 D R FR	PET	PET		100%	22%	28%	18,9%	30,4%	45,2%	47%	3	133
RES 10 R	PET	PET		100%	20%	24%	-	-	-	47%	-	126
RES 10 N FR	PET	PET		100%	19%	23%	15,0%	25,3%	9,0%	47%	3	131
Side Hanging cloth for RES, RLD & RSS cloths	Material	Length of roll	Shading level*		NEN 2675:2018			Energy saving*	NTA Class	gr/m2		
			Direct	Diffuse	Direct	Diffuse	Horti Scatter					
Ridder White FR	Polyester	± 150,00m	55%	55%					43%	1	195	

\*According to Ridder Climate Screens