

## Black out roof window



High insulation value

Wide stables

Obscures

Tailor made

Renovation

### Broiler houses

For all broiler barns to meet today's welfare standards.

**Black out roof windows** are the perfect solution for all type of barns.

### Layer houses wider than 24 meters

According to KAT requirements daylight should be within 12 m of the animal. Theoretically you can build up to 48 m wide with blackout roof windows from Tulderhof.

### Renovation of any stable

Blackout roof windows are an excellent solution for any renovation where the stable does not require to the 3% light demand yet. The windows are tailor made, so they fit exactly between the purlins. In between the top -and bottom layer of the window movable slats are made to assure proper darkening when needed. The slats can be operated manually or with an electrical winch.

Type of roof window	R (m <sup>2</sup> .K/W)	U (W/m <sup>2</sup> .K)
Roof window HR+ single 0-25	2.02	0.50
Roof window HR+ double 10-25	2.49	0.40
Roof window HR+ double 25-25	2.84	0.35



**Preheated barn**  
The roof window doesn't show any heat loss

## Technical information



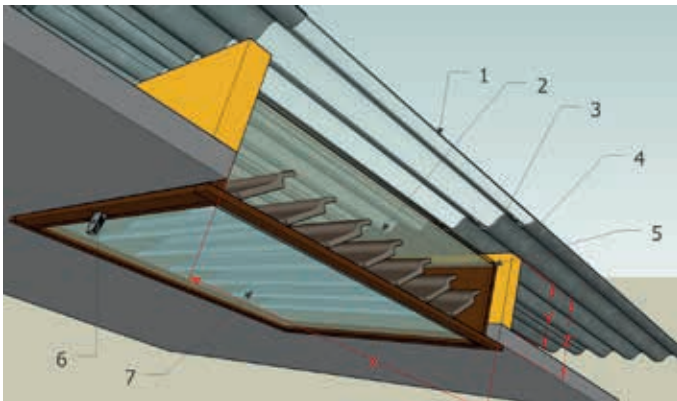
Open



40% closed



60% closed



### Technical image

When ordering we need the following measurements:

**X** = the exact size between the purlins

**Y** = the exact size between the bottom of the insulation and the bottom of the corrugated sheet

**Z** = the exact size between the bottom of the purlin and the bottom of the insulation

### Legenda

1 = Transparent corrugated sheets

4 = Purlin

7 = 25 mm polycarbonate underneath

2 = Roof window with HR+ slats

5 = 10 mm polycarbonate on top

underneath

3 = HR+ slats

6 = Pulley, operated from the house



HR+ slats

