

Aluminum alloy canopy

Sunshade and rain protection

Night lighting

Electric intelligence



Block sunlight



rain-proof



Thermal
insulation



anti-
condensation



aluminium alloy
material quality



Electric
intelligence



Customized size

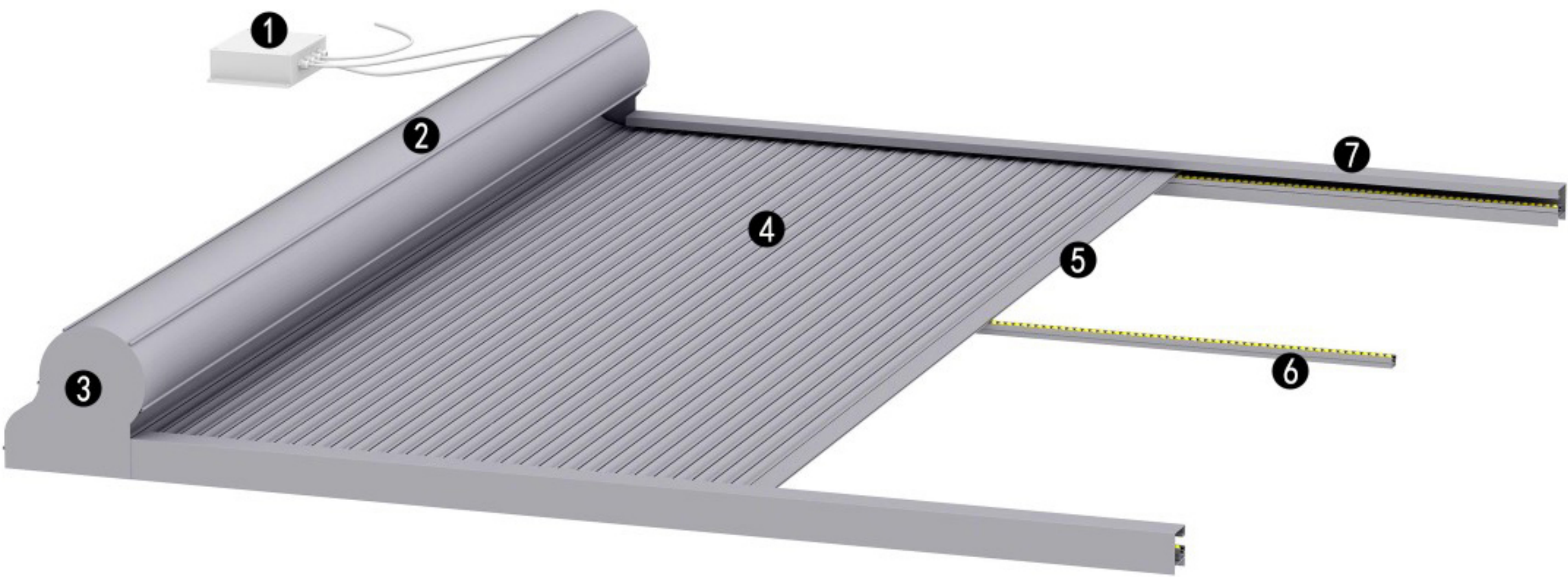
Outdoor aluminum alloy sunshade canopy is a new type of external shading product for daylighting. Its main component blades are formed by aluminum alloy roller pressing technology, with a cavity structure that can effectively slow down heat propagation. It is also possible to inject a certain density of polyurethane composite foam material into the blade cavity, effectively blocking heat propagation. Its excellent shading performance is the preferred choice for shading in daylighting roofs.



◆ Product Mix

Sunshade performance: can block 90% of solar radiation heat

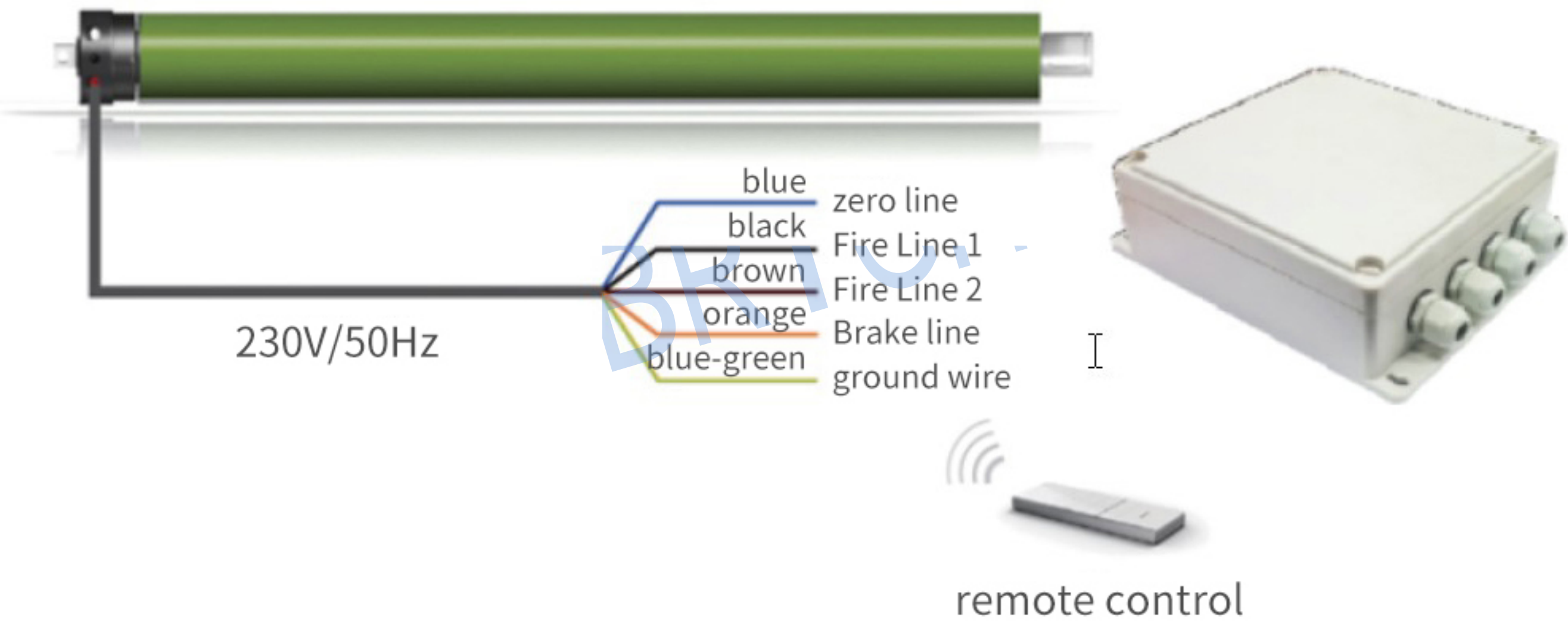
Mechanical durability performance: Qualified after 10000 tests



- ① Control box
- ② Cover
- ③ End plate
- ④ Blades
- ⑤ Bottom beam
- ⑥ slide rail
- ⑦ guide rail

◆ Control System Parameters

Remote control distance: 35 meters indoors; 200 meters in an outdoor open space



Dooya
model DM45FTS-40/12
control mode Wireless remote control
Motor diameter 45mm
Rated torque 40N. m
Rated speed 12 revolutions per minute
Rated voltage 220/230V
Rated power 260W
Continuous working hours 8 minutes
working temperature -20 ° C~55 ° C
Protection level IP44
Maximum effective number of turns 45 laps

Beely
model SF45-50S9
control mode Wireless remote control
Motor diameter 45mm
Rated torque 50N. m
Rated speed 12 revolutions per minute
Rated voltage 220/230V
Rated power 245W
Continuous working hours 8 minutes
working temperature -20 ° C~55 ° C
Protection level IP44
Maximum effective number of turns 50 laps



DC1272



DC2700/2760/2702



FTS-3



EH705



◆ Analysis of Aluminum Alloy Curtain Coating

Scratch resistant polyester (fluorocarbon) spray coating

High strength thermal lamination

High quality aluminum alloy substrate

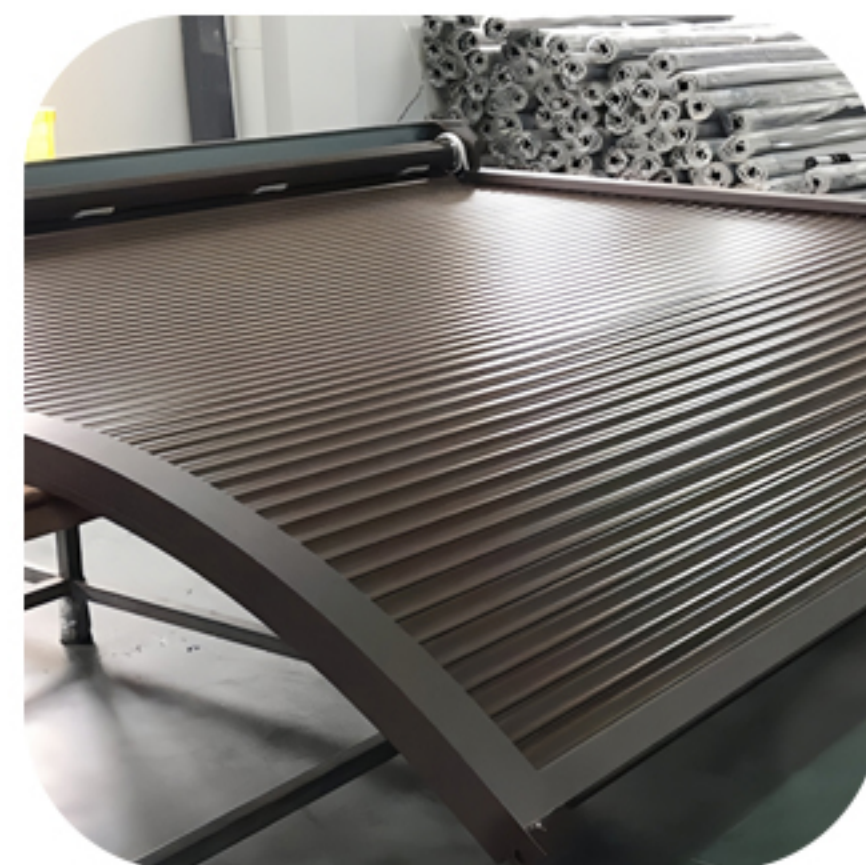
High density polyurethane foam



white



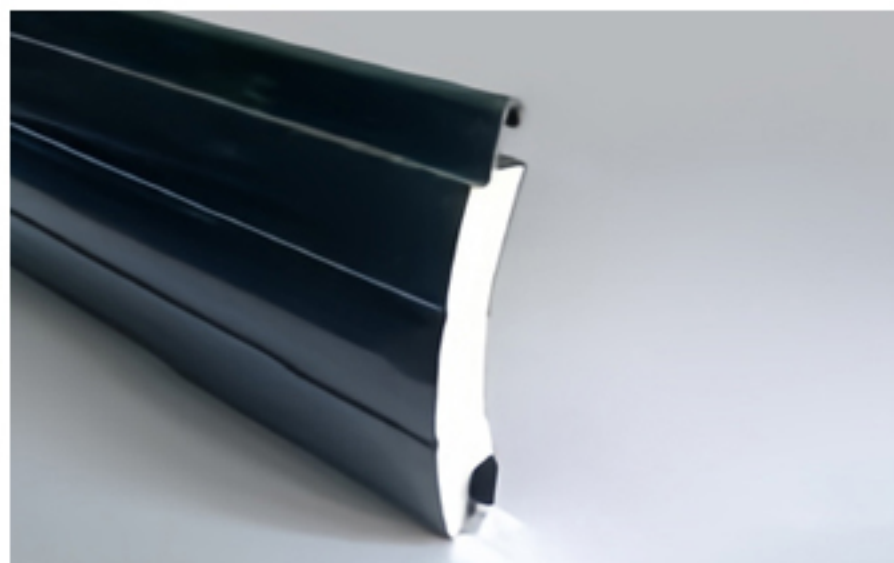
grey



coffee



◆ Material Parameters



blade 55#

thickness 9mm



blade 38#

thickness 8mm

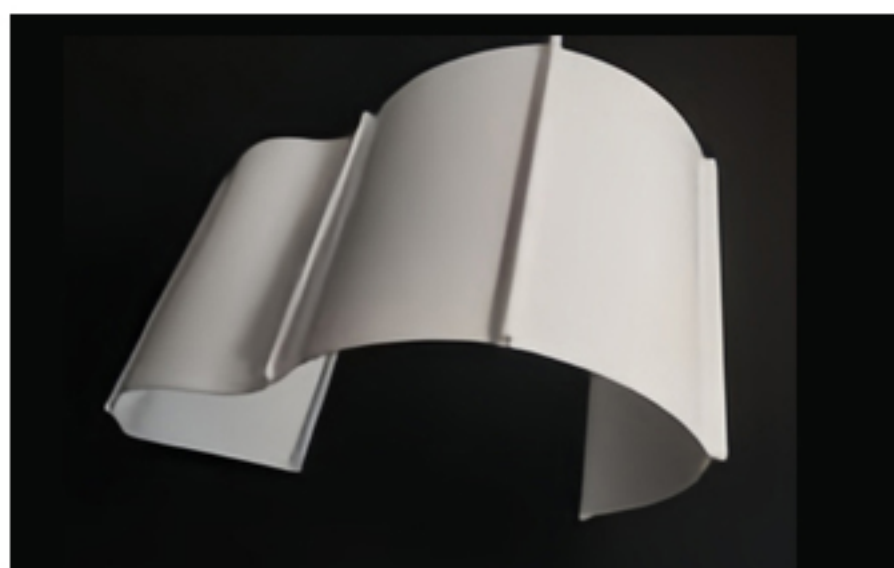


end plate

wall thickness 2.5mm

Aluminum strip substrate 0.3mm, made of 3003 aluminum manganese alloy, with outdoor scratch resistant and weather resistant coating rolled on the surface, with a coating thickness of $\geq 25 \mu\text{M}$; The interior of the blade is filled with polyurethane foam, with a foam density of 65KG/m³ and aluminum alloy canopy main material parameters. The blade is filled with polyurethane foam, with a foam density of 65KG/m³, which has good bending resistance and thermal insulation.

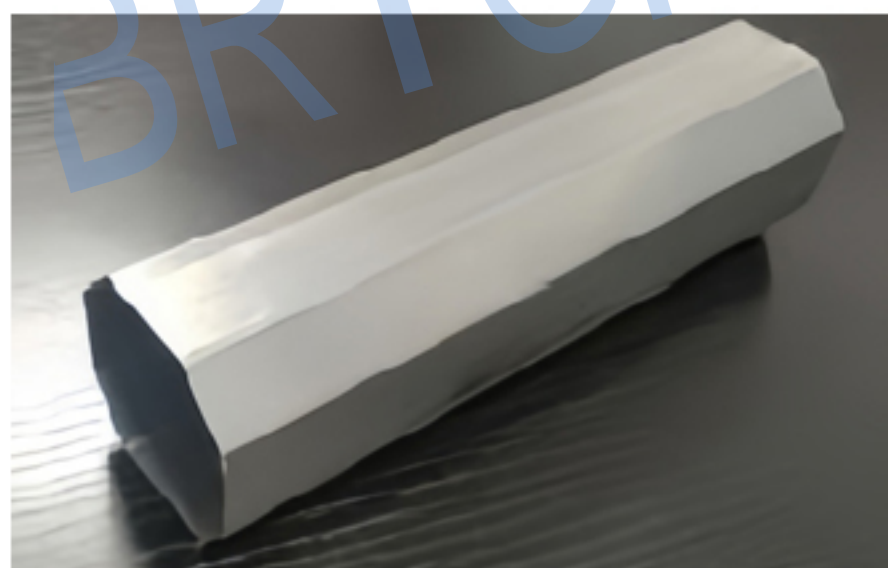
Stainless steel material, surface adopts electrostatic powder spraying process, coating thickness $\geq 60 \mu\text{M}$; High strength non rusting



housing

wall thickness 1.6mm

Extruded aluminum profiles, 6063-T5 aluminum magnesium alloy profiles, surface using electrostatic powder spraying technology, coating thickness $\geq 60 \mu\text{M}$



scroll

$\Phi 63 \times 0.6\text{mm}$

Double scroll, stainless steel material, natural color



rail

W63*H77*1.8mm

Extruded aluminum profiles, 6063-T5 aluminum magnesium alloy profiles, surface using electrostatic powder spraying technology, coating thickness $\geq 60 \mu\text{M}$



slide

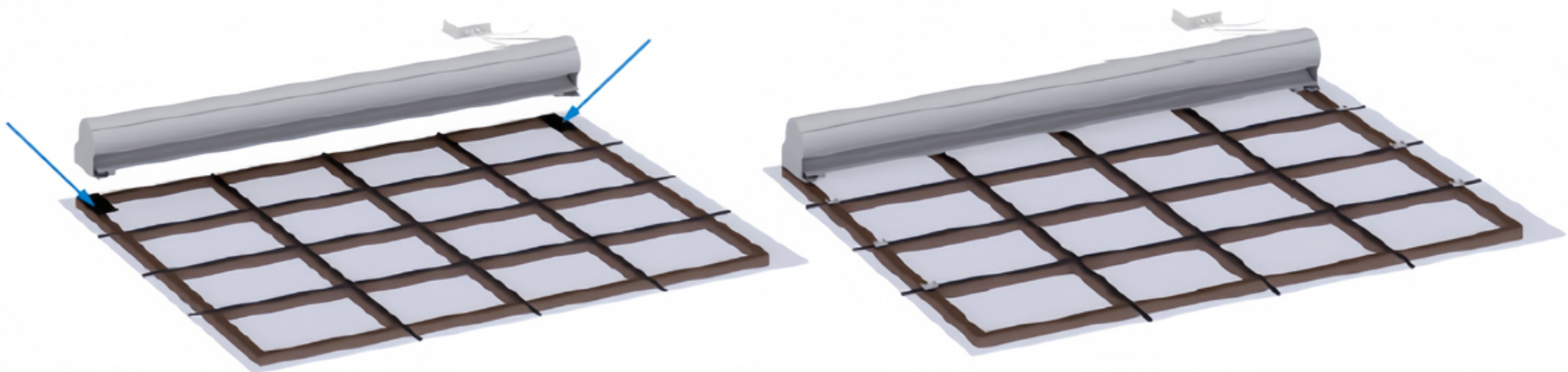
W30*H23*0.8mm

Extruded aluminum profiles, 6063-T5 aluminum magnesium alloy profiles, surface using electrostatic powder spraying technology, coating thickness $\geq 60 \mu\text{M}$; The pulley is made of modified nylon, which is wear-resistant, weather resistant, and aging resistant, with an effective service life of 5-8 years; The shaft pin is made of stainless steel material.

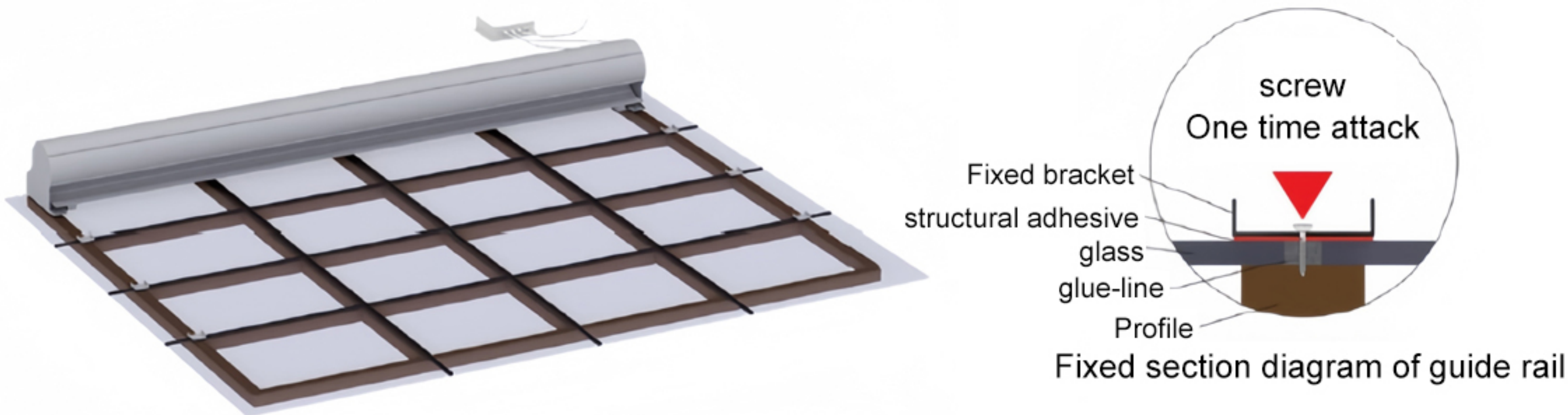


◆ Construction Technology

1. Fixed roller blind box: The base of the roller blind box is coated with structural adhesive and bonded to the glass top



2. Fixed guide rail: The fixed bracket is fixed to the skeleton



3. Rail insertion

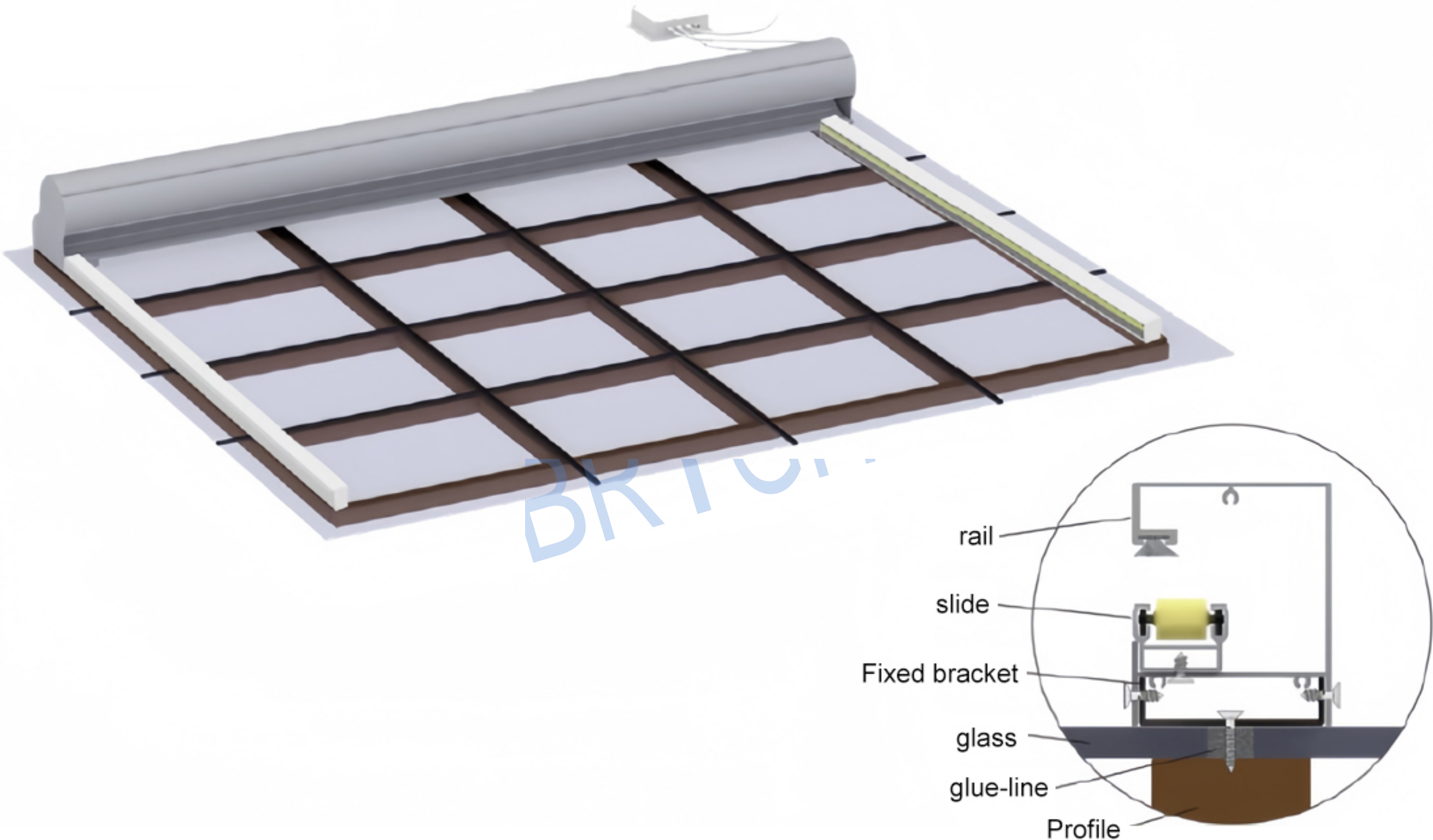


Align the inner opening of the guide rail with the pins of the guide head

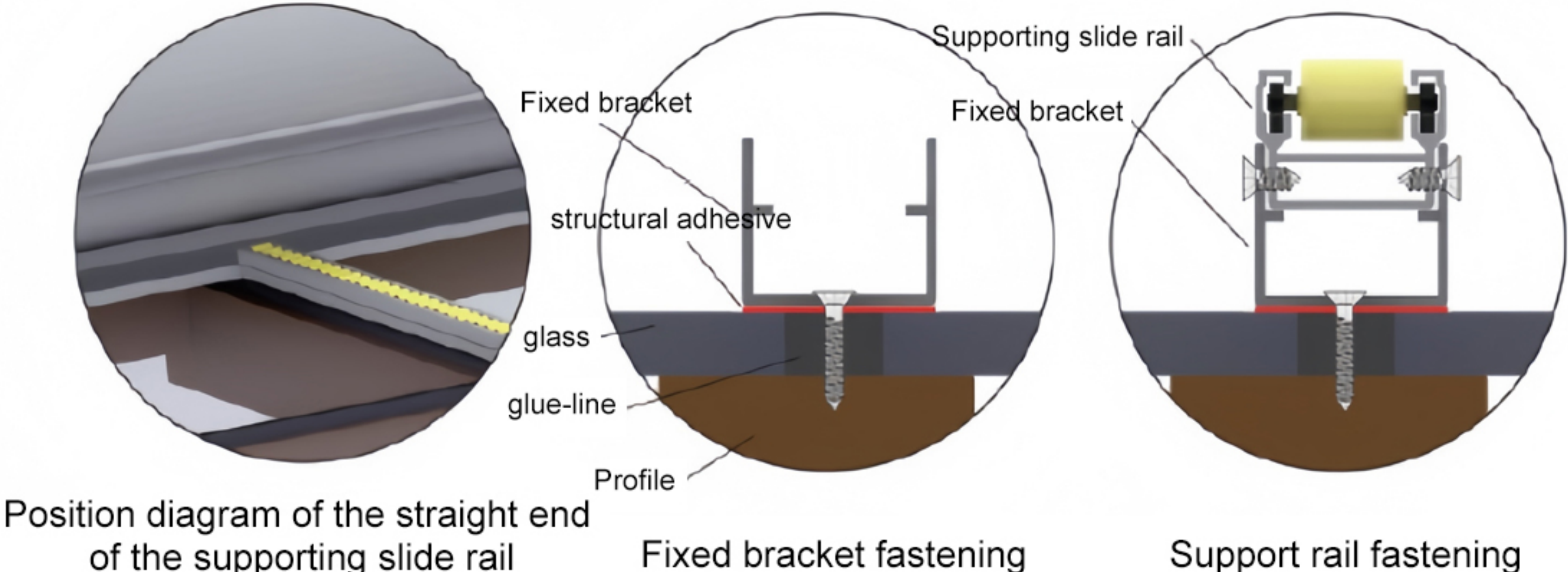
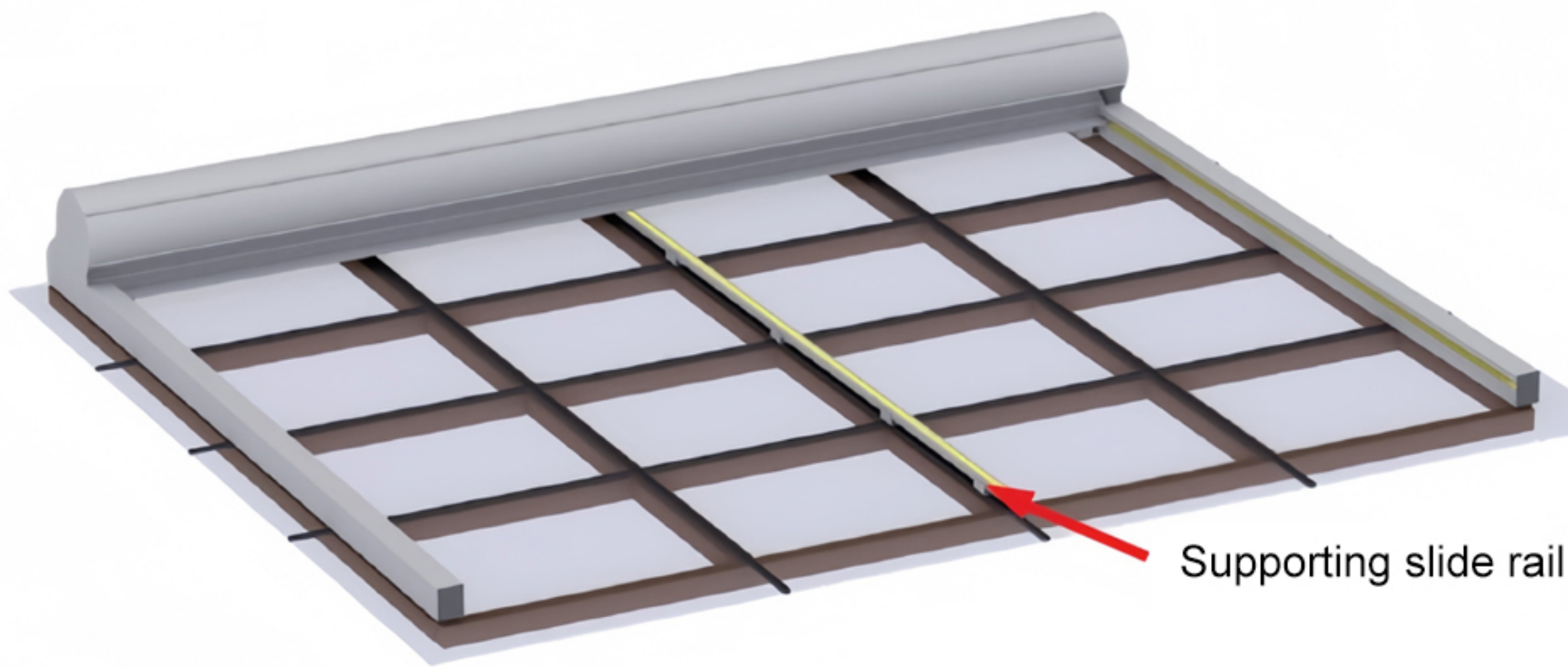
The joint between the guide rail and the guide head is tightly closed, and the bottom screw on the side is fixed

Fix the bottom of the guide rail with the pin screws

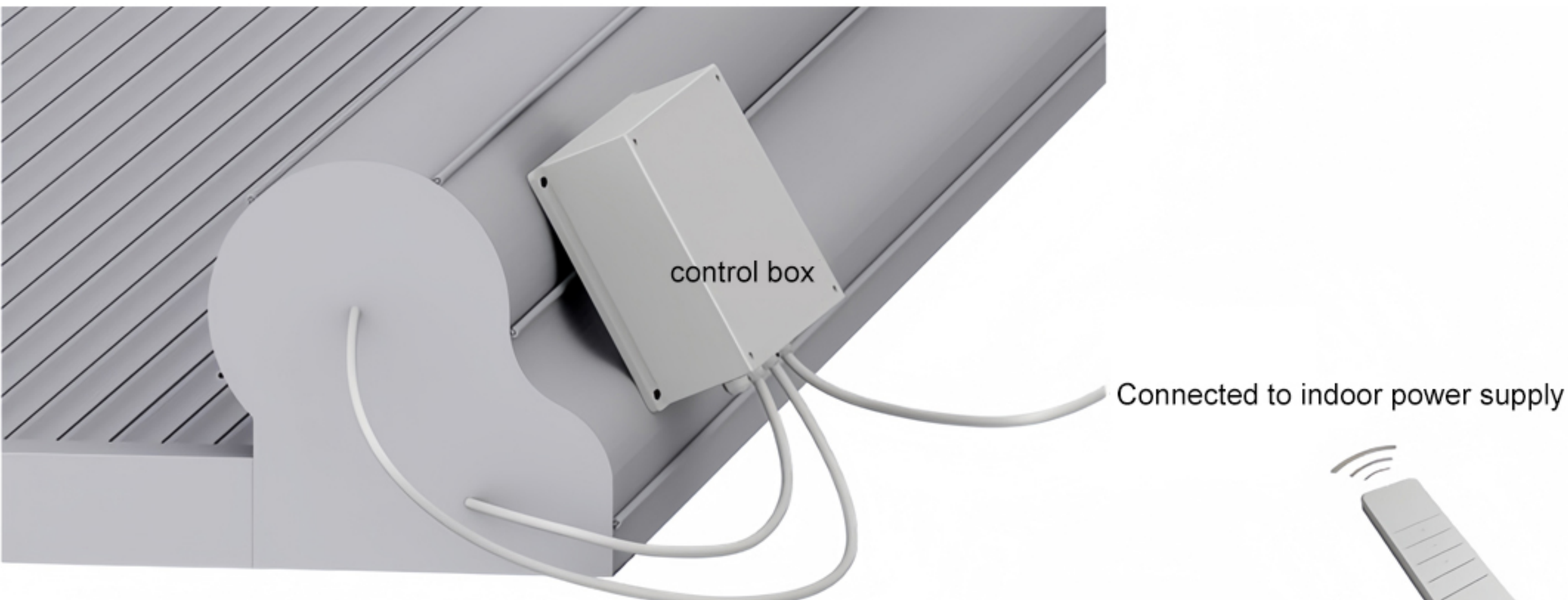
4. Fixed guide rail



5. Fixed support rail: The fixing code is fixed to the skeleton



6. Wiring, power on debugging, and completion of installation



Attention: When placing the control box, it should be placed in a covered area or the wire head should be fixed downwards on the back of the roller shutter box. The fixing screws should not be too long, otherwise it will damage the blades and affect their rotation. Do not place the control box in a place that is prone to water accumulation.