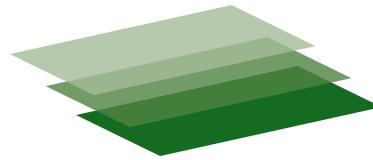


TecniKor



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QUALITY AND GUARANTEE CERTIFICATE:

We have specific sliding and fixed roof tests carried out in an approved laboratory, where we certify based on European regulations. This certification assures you that choosing Tecnikor products is acquiring a quality product with all the guarantees:

- Wind resistance test, according to standards: UNE-EN 12211:2017 "Windows and doors. Wind resistance"
- Water tightness test, according to standard: UNE-EN 1027:2017 "Windows and doors. Water tightness".
- Snow resistance test, according to standards: UNE-EN 12833:2011 "Roller blinds for skylights and verandas. Snow resistance"

FIXED ROOF (TKF)

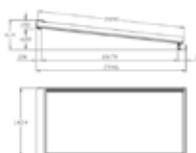


ENSAYO DE ESTANQUEIDAD AL AGUA.

Empresa:	Comercial Alcalde Aragón, S.L. c/ Chopo nº 50. La Puebla de Alfinden. Zaragoza.
Producto:	Techo fijo acristalado.
Modelo:	Techo fijo (TKF)
Dimensiones : (AnxAI)	1424 mm de línea x 3000 mm de salida
Material:	Aluminio
Acristalamiento:	4+4
Fecha de Ensayo:	12.09.2017

Normas de Ensayo:
UNE-EN 1027:2017. Ventanas y puertas.
Estanqueidad al agua.

Sección y/o fotografía:



Estanqueidad al agua

CLASE E₇₅₀

Organismo Notificado nº 1668
Reglamento (UE) 305/2011
Productos de Construcción



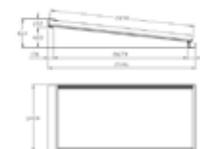
Normas de Clasificación:
UNE-EN 12208:2000. Ventanas y
puertas. Estanqueidad al agua.

ENSAYOS DE RESISTENCIA A LA CARGA DE VIENTO ENSAYOS DE RESISTENCIA A LA CARGA DE NIEVE

Empresa:	Comercial Alcalde Aragón, S.L. c/ Chopo nº 50. La Puebla de Alfinden. Zaragoza.
Producto:	Techo fijo acristalado.
Modelo:	Techo fijo (TKF)
Dimensiones : (AnxAI)	1424 mm de línea x 3000 mm de salida
Material:	Aluminio
Acristalamiento:	4+4
Fecha de Ensayo:	12.09.2017

Normas de Ensayo:
UNE-EN 1932:2014. Celosías exteriores y
persianas. Resistencia a las cargas de viento.
Método de ensayo y criterios de prestaciones.
UNE-EN 13659:2016. Persianas. Requisitos
de prestaciones incluida la seguridad. UNE-EN
13659:2016. Persianas y persianas venecianas
exteriores. Requisitos de prestaciones incluida
la seguridad. EN 12833:2011. Persianas
 enrollables para lucernarios y verandas.
Resistencia a la carga de nieve. Método de
ensayo.

Sección y/o fotografía:



Resistencia a la carga de viento

CLASE 6

RESISTENCIA A LA CARGA DE NIEVE

Presión nominal P_n **3000 (N/m²)**
Presión de seguridad P_s **3000 (N/m²)**



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SLIDING ROOF (TKM)

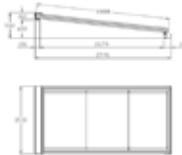
ENSAYO DE ESTANQUEIDAD AL AGUA.

Empresa: **Comercial Alcalde Aragón, S.L.**
c/ Chopo nº 50. La Puebla de Alfinden.
Zaragoza.

Producto:	Techo móvil acristalado.
Modelo:	Techo móvil (TKM)
Dimensiones :	1530 mm de línea x 3000 mm de salida (AnxAI)
Material:	Aluminio
Acristalamiento:	4+4
Fecha de Ensayo:	25.10.2017

Normas de Ensayo:
UNE-EN 1027:2017. Ventanas y puertas.
Estanqueidad al agua.

Sección y/o fotografía:



Estanqueidad al agua CLASE 6A

Organismo Notificado nº 1668
Reglamento (UE) 305/2011
Productos de Construcción



Normas de Clasificación:
UNE-EN 12208:2000. Ventanas y
puertas. Estanqueidad al agua.

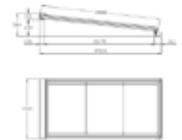
ENSAYOS DE RESISTENCIA A LA CARGA DE VIENTO ENSAYOS DE RESISTENCIA A LA CARGA DE NIEVE

Empresa: **Comercial Alcalde Aragón, S.L.**
c/ Chopo nº 50. La Puebla de Alfinden.
Zaragoza.

Producto:	Techo móvil acristalado.
Modelo:	Techo móvil (TKM)
Dimensiones :	1530 mm de línea x 3000 mm de salida (AnxAI)
Material:	Aluminio
Acristalamiento:	4+4
Fecha de Ensayo:	12.09.2017

Normas de Ensayo:
UNE-EN 1932:2014. Celosías exteriores y
perisomas. Resistencia a las cargas de viento.
Método de ensayo y criterios de prestaciones.
UNE-EN 13659:2016. Perisomas. Requisitos
de prestaciones incluida la seguridad/UNE-EN
13659:2016. Perisomas y perisomas venecianas
exteriores. Requisitos de prestaciones incluida
la seguridad. EN 12833:2011. Perisomas
estables para lucernarios y verandas.
Resistencia a la carga de nieve. Método de
ensayo.

Sección y/o fotografía:



Resistencia a la carga de viento CLASE 6

RESISTENCIA A LA CARGA DE NIEVE

Presión nominal P_n **1000 (N/m²)**
Presión de seguridad P_s **2500 (N/m²)**





Tecnikor was born with the idea of providing the market with a sliding roof system fully updated that revolutionizes the concept of sliding roof, providing it with a carefully revolutionary design and improving substantially functionality, as well as totally solutions integrated into the system.

We have modern factory located in Zaragoza, with cutting-edge machining and, a wide warehouse that allows us to have a large permanent stock, giving us an agile responsiveness. Our technical department controls the entire production process and performs all the necessary quality tests to the materials that will compose your enclosure to achieve total customer satisfaction.

An effective production is the key to achieving our objectives, for this we have the most advanced technology.

Tecnikor
Techos de Cristal

VALUES

Customer support

In addition to a quality product, customer service is essential, therefore all Tecnikor members have experience within the sector of enclosures and, the best training to meet the needs of our customers always giving them the best solution.

Design

Tecnikor roofs have been designed taking care of their appearance and creating the first complete system of roofs on the market. It is the first sliding roof of the market that dispenses with horizontal profiling and, thanks to its design, all compatible options are integrated avoiding ugly added later.

Service and transport

Our comprehensive production management together with a latest factory generation makes delivery times reliable. Our network of own national transport ensures a personalized, fast and safe delivery.

Quality

All our products are made to measure for our customers, so we always have control production, which allows us to establish an exhaustive monitoring of all processes.

Technical department

Our technical department with specific training in the sector is able to carry out any project creating the technical draw necessary for the Installation, all roofs are designed specifically for each client.



Advertising support

Thanks to our marketing department, which studies the best way to transmit advertising messages, we can offer our distributors the necessary tools for sale.

Respect for the environment

We have cooperation agreements for solid waste collection. In addition, we use glass and materials that favour energy savings.

ENJOY THE NATURAL LIGHT

Spaces to expand, protect, condition, recover and enjoy them all year, regardless of weather conditions. Designed to create open spaces without losing light. With the Tecnikor sliding roof will be able to protect your terrace or attic throughout the year without losing light. In combination with awnings and glass enclosures you can enjoy its terrace 365 days a year, adapting its use for different seasons of the year or time of day.

Thanks to our exclusive design without intermediate profiles the visual impact will be less being more integrated on your terrace. Sliding roofs are not watertight and are based on the effective evacuation of the water, water cannot be stopped, it must be channeled, thanks to our design the water slides directly to the gutter avoiding leaks from water. In addition, we let the air circulate between the leaves avoiding condensations in the glass that cause water to drip into the installations.

APPLICATIONS



Hotels and Restaurants

Stop being afraid of the weather. Stop worrying for rain. Keeping at all times an ideal view of your environment. Take advantage of the light, even on cloudy days. On sunny days you can have your terrace open outdoors, and when worsening weather conditions will continue with a fully functional terrace having as a roof the sky. Your customers will be protected at all times and thanks to the lights integrated into the system you can offer an ideal dining environment.



Attics

Turn your terrace into your favorite corner, children who go out to play, dinner, improvised, relax, all this no matter of the day it is and without losing luminosity inside your home, even on cloudy days the light will reach your home contributing to energy saving.

Thanks to our design the terrace will remain open without taking away visibility and without distort the surrounding environment.



Terraces

Imagine having an attached terrace that doesn't steal light from your home, imagine having a garden to enjoy both winter and summer. This is now possible thanks to the sliding and fixed roofs of Tecnikor that adapt to any space in combination with any glass curtain system. You will have a garden open all year. And if it's too hot or bothers the light will have the possibility of opening fully integrated awnings always controlling the environment you wish,



FIXED ROOF (TKF)

TKF is a lightweight fixed roof of careful design that can be installed with 4+4 Safety Glass, 16mm or 24mm Camera Glass, Polycarbonate 16mm or 25mm, Sandwich Panel 16mm or 24mm. The evacuation of the water is carried out by frontal gutter and by the downpipe of the registrable post, which guarantees its tightness, avoiding possible water filtration. Its design allows easy cleaning of the product, by not presenting areas of stagnation of dirt throughout the perimeter. Self-supporting fixed ceilings with Sandwich Panel are intended to extend meters habitable inside homes. The thicknesses are 52mm and 82mm, and they are formed by two aluminum sheets with a polystyrene core extruded. Its design makes them easy to install thanks to its integrated pvc joint system.

TECHNICAL SPECIFICATIONS

Maximum width between lanes (glass dimension):

Laminated Safety Glass 4+4 = 1.300mm
 Glass Camera 16mm or 24mm = 1.300mm
 Polycarbonate 16mm or 25mm = 1.250mm
 Sandwich panel 16mm or 24mm = 1.250mm
 Sandwich panel 52mm or 82mm = no limit

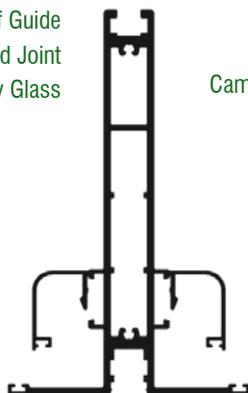
Maximum length (outer distance between blanket and post):

FIXED ROOF			
THICKNESS	GLASS	PC/SANDWICH	SANDWICH
8 mm	4,5M	—	—
16 mm	4,5M	6M	—
24 mm	4,5M	6M	—
52 mm	—	—	5M
82 mm	—	—	6M

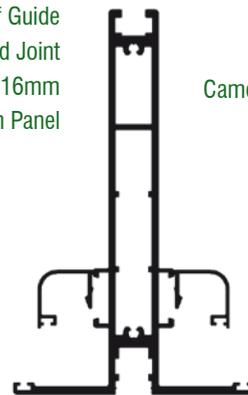
FIXED ROOF PROFILES (TKF):

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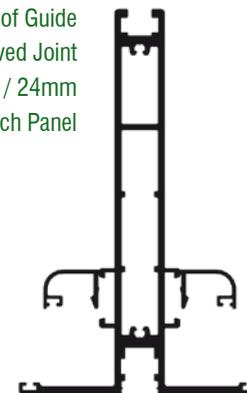
Fixed Roof Guide
 28.5mm Curved Joint
 4+4 Safety Glass



Fixed Roof Guide
 21mm Curved Joint
 Camera Glass / Polycarbonate / 16mm
 Sandwich Panel



Fixed Roof Guide
 14mm Curved Joint
 Camera Glass / Polycarbonate / 24mm
 Sandwich Panel



EVOLUTION ROOF (TKF EVO)

TKF Evolution is the most innovative fixed roof on the market, with a current design with straight and proportionate lines, a totally flat assembly able of being installed in any space, remaining totally integrated thanks to its flat and clean lines.

Being completely flat, it is the perfect roof to combine with glass enclosures and veranda awnings, achieving unique spaces.

Aluminum covers, hidden screws, integrated lights are the identity of TecniKor products, where finishes and finishes are primordial.

TECHNICAL SPECIFICATIONS

Maximum length (outer distance between blanket and post): 4M (minimum slope 5%)

Maximum width between lanes (glass dimension):

Laminated Safety Glass 4+4 = 1.300mm

Glass Camera 16mm = 1.300mm

Polycarbonate 16mm = 1.250mm

Sandwich panel 16mm = 1.250mm

Sandwich panel 52mm or 82mm = no limit



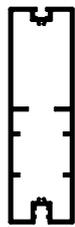
EVOLUTION ROOF PROFILES (TKF EVO):



Blanket Profile



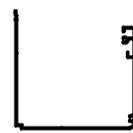
Blanket Tape Profile



Evolution Guide Profile



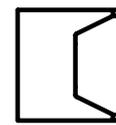
Crossbar Profile



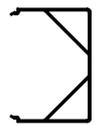
Gutter Profile



Trim Profile



Post Profile



Post Tape Profile

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- Snow resistance test, according to standards: UNE-EN 12833:2011 "Roller blinds for skylights and verandas. Snow resistance"

TKF EVOLUTION

ENSAYOS DE PERMEABILIDAD AL AIRE, ESTANQUEIDAD AL AGUA Y RESISTENCIA A LA CARGA DE VIENTO

ensatec



PETICIONARIO Applicant

Comercial Alcalde Aragón, S.L.
C/ Chopo, 50.
50171- La Puebla de Alfinden. (Zaragoza)

FABRICANTE Manufacturer

TecniKor.

Datos aportados por el cliente

PRODUCTO **Techo fijo acristalado**

Product

MODELO **(TKF Evolution)**

Model

DIMENSIONES **1470 x 2950 mm**

Dimensions

MATERIAL **Aluminio**

Material

ACRISTALAMIENTO **4+4**

Glazing element

FECHA DE ENSAYO **06.02.2020**

Date of tests

FECHA DE EMISIÓN **10.02.2020**

Date of issue

RESULTADOS

Results

Estanqueidad al agua	CLASE E ₁₅₀₀
Resistencia a la carga de viento	CLASE 6
Presiones Positivas y Negativas	
Resistencia a la carga de nieve	
Presión nominal Pn	3000 (N/m ²)

Normas de Ensayo:

UNE-EN 1027:2017. Ventanas y puertas. Estanqueidad al agua.
UNE-EN 12208:2000. Ventanas y puertas. Estanqueidad al agua.
UNE-EN 1932:2014. Celosías exteriores y persianas. Resistencia a las cargas de viento. Método de ensayo y criterios de prestaciones.
UNE-EN 13659:2016. Persianas y persianas venecianas exteriores. Requisitos de prestaciones incluida la seguridad.
UNE-EN 12833:2001. Persianas enrollables para lucernarios y verandas. Resistencia a la carga de nieve. Método de ensayo.

Sección y/o fotografía:



TecniKor



Luis García Viguera
Director Técnico Departamento
Department Director

GARCIA
VIGUERA LUIS
- 16537975D

Firmado digitalmente por
GARCIA VIGUERA
LUIS - 16537975D
Fecha: 2020.02.10
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El resultado del presente ensayo/s no concierne más que al objeto/s ensayado/s. Los informes firmados electrónicamente en soporte digital se consideran un documento original, así como las copias electrónicas del mismo. Su impresión en papel no tiene validez legal. Regla decisión: se designa el valor sin tener en cuenta las incertidumbres.

Tecnikor

Integrated lights into the aluminum structure





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SLIDING ROOF (TKM)

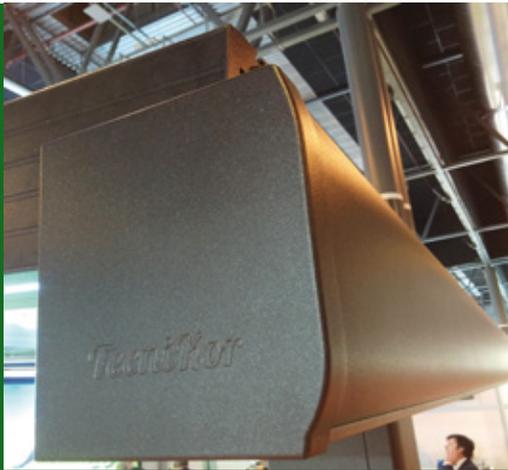
Tecnikor TKM Sliding Roof is the first sliding glass roof on the market that eliminates horizontal profiling for a clean design, creating unique spaces that combine perfectly with the existing glass curtain systems on the market, carrying the concept of enclosures without profiles also to the sliding roof.

For us it was important to design a product that was easy to install and safe for the installer, so our roof is mounted from below, forget about opening and closing guides. Our system allows to minimize risks and incidents, you will not have to return to the installation to solve sealing problems in the glass.

TECHNICAL SPECIFICATIONS

The TKM Sliding Roof is compatible with all curtain systems glass and sunscreen market without the need for adaptations. The crossbar is designed to be compatible with any brand of glass curtain, being able to integrate into the structure without drilling.

The TKM Sliding Roof works by bearings, unlike other brands that work by sliding on mats, we have eliminated the fibre mat of the guides and we place them on the sheets, avoiding problems usual sliding systems.



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New aluminium side covers and lower post trim.



Thanks to homogeneous design and current of the Sliding Roofs of Tecnikor, screws and engines are hidden by extrusion tapes.



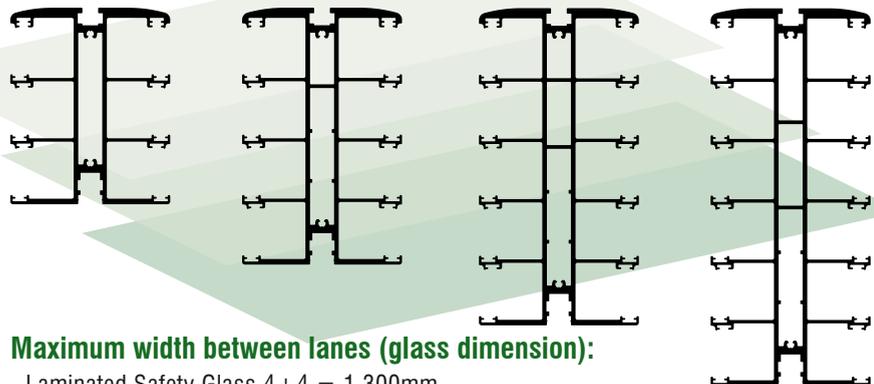
By removing the horizontal profiling, on the roofs Tecnikor sliding water circulates without obstacles to gutter being channelled for your subsequent evacuation.

Luces integradas en la propia estructura sin necesidad de añadir ningún perfil accesorio, consiguiendo mantener la línea y las prestaciones del sistema.



OPENINGS:

TKM 66% Guide (3h) TKM 75% Guide (4h) TKM 80% Guide (5h) TKM 85% Guide (6h)



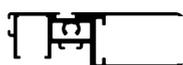
Maximum width between lanes (glass dimension):

- Laminated Safety Glass 4+4 = 1.300mm
- Glass Camera 16mm (3+3/ 6 /Tempered 4mm) = 1.300mm
- Polycarbonate 16mm = 1.500mm
- Sandwich panel 16mm = 1.500mm

Maximum length (outer distance between blanket and post):

GLASS			POLYCARBONATE/SANDWICH		
TYPE	MANUAL	MOTOR	TYPE	MANUAL	MOTOR
66%	3,5M	3,5M	66%	4,5M	4,5M
75%	4,5M	4,5M	75%	7,0M	7,0M
80%	NO	5,5M	80%	8,0M	8,0M
85%	NO	7,0M	85%	9,5M	9,5M

SLIDING ROOF PROFILES (TKM):



Bearings Profile



Sheet 8mm Profile

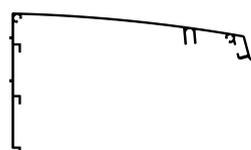


Sheet 16mm Profile

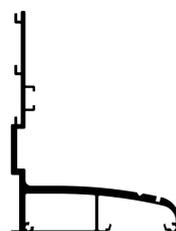


Closure 16mm Profile

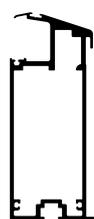
COMMON PROFILES (TKM-TKF):



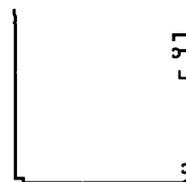
Top Blanket Profile



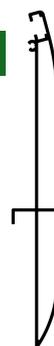
Bottom Blanket Profile



Crossbar Profile



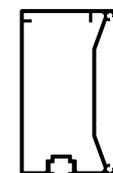
Gutter Profile



Trim Profile



Post Profile



Side Profile



Side /
Post Tape Profile



Angular Profile

MANEUVERING

Manual: Using a retainer on the back to prevent the leaves slide.

Motorized: double motorized drive, to avoid torsions on the blade and tensions on the belts transmission increasing durability and reducing noise. The engine is hidden in the blanket with a nice extrusion, this cover also helps to mitigate the sound of engine. With the possibility of sensor

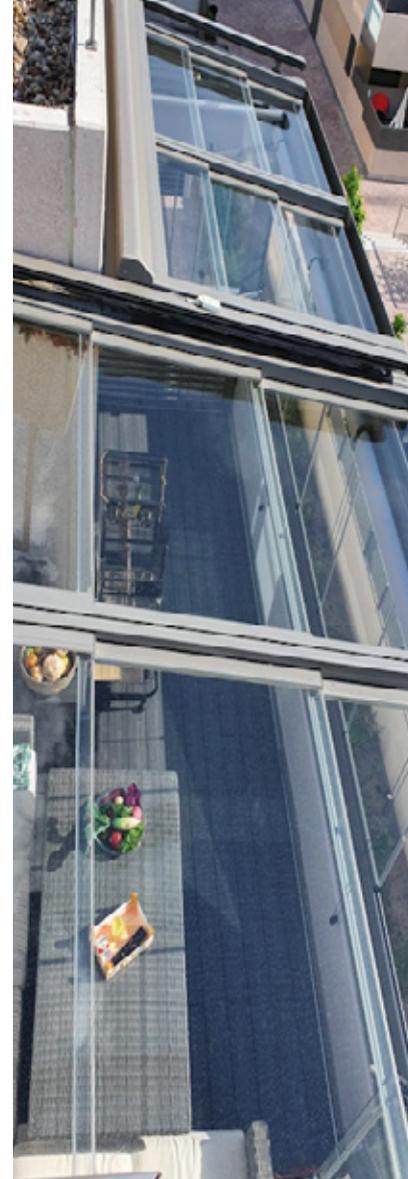
Maximum distance between posts:

	REINFORCED FRONT PROFILE			
	SI		NO	
	GLASS	PC/SAND.	GLASS	PC/SAND.
WITH GLASS CURTAIN	5M	6M	4M	5M
WITHOUT GLASS CURTAIN	4,5M		2M	

	REINFORCED LATERAL PROFILE			
	SI		NO	
	GLASS	PC/SAND.	GLASS	PC/SAND.
WITH GLASS CURTAIN	6M		5M	
WITHOUT GLASS CURTAIN	4,5M		2M	

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876 240 361



Podéis seguirnos en:



www.technikor.com / presupuestos@technikor.com

Technikor