



## GENERAL INFORMATION PRODUCTS MODEL ZK-V

### Description

- Horizontal wall protector, with handrail function, composed of an aluminum profile, fixed on supports and anchored on the face with standard fixing appropriate to the wall, every approximately 800mm.
- At each end of the Zikonyl ® profile are placed 2 ZK402 end cap, made by injection of PA and PP modified to impact to give it greater robustness.
- We have a corner connector ZK402-C to be able to realize the handrail of continuous form.
- Finally, the coating of Zikonyl ® ZK202 based on impact and fire-resistant PVC, 2mm thick, colored in mass and with the textured side to disguise the scratches and non-porous surface, PVC is a material that confers it The resistance necessary to withstand the strongest blows, and PVC is a material that easily recovers its original shape.

### Technical Characteristics

## Aluminum

Aluminum alloy AW 6063: Aluminum-Magnesium-Silicon, equivalent in Spain to UNE L-3441 and in Germany to DIN AlMgSi0,5, this alloy confers an exceptional resistance.

### Chemical Composition of Aluminum (EN 573-3)

%	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others	Al
<b>Min</b>	0,2	-	-	-	0,45	-	-	-	-	
<b>Max</b>	0,6	0,35	0,1	0,1	0,9	0,1	0,1	0,1	0,15	Resto

### Mechanical Properties of Aluminum (EN 755-2)

State	Wall Thickness (mm)	Bursting Load (N/mm <sup>2</sup> )	Elastic Limit Rp0.2 (N/mm <sup>2</sup> )	Elongation Amin (%)	Elongation A50mm min (%)	Hardness Brinell (HB)
<b>T5</b>	<b>e≤3</b>	175	130	8	6	65
	<b>3&lt;e≤25</b>	160	110	7	5	

### Physical properties of aluminum measured at 20°

Properties	Value	Measurement units
Elastic Module	N/mm <sup>2</sup>	69500
Specific weight	G/cm <sup>3</sup>	2,7
Melting range	°C	615-655
Coef. Of linear expansion	1/10 <sup>6</sup> K	23,5
Thermal conductivity	W/mK	209
Electrical resistivity 20°	μΩcm	3
Electric conductivity	%IACS	52
Potential for dissolution	V	-0,8

### Plastic Zikonyl ®



- PVC from virgin material, our material is free of phthalates.
- PVC that comes from virgin material, not recycled, since in doing the protection with recycled material this loses a great part of its technical characteristics, in addition it complies with that specified in the Directive 2011/65 / UE (RoHS Directive), on restrictions to the use Of certain dangerous substances in electrical and electronic equipment, Annex II, as amended by Directive 2015/863.
- It is classified according to the regulation (CE) n° 1272/2008 as prepared non dangerous.

#### Mechanical properties PVC

Properties	Value	Measurement units	Normative
Vicat Temperature (5 kg)	Minimum 80	°C	UNE EN ISO 306
Density	1,39 - 1,45	G/cm <sup>3</sup>	UNE EN ISO 1183
Tensile Strength	Minimum 40	Mpa	UNE EN ISO 527
Elongation at break	Minimum 135	%	UNE EN ISO 527



For a correct state of preservation of the Zikonyl ® profiles, a wash with soap and water is sufficient, and if necessary, rub it with a soft plastic barbed brush. You can also use specific cleaning products for plastic such as Power32 or similar. Do not use bleach, or products derived from hydrochloric acid, for the cleaning of the end caps, or for the separating supports. This would cause a whitening of your surface face.



- With reference to the fireproofing tests, we have the M1 classification according to UNE 23727: 1990, currently working with the fire reaction classification according to UNE 13501-1: 2002 and tests have been carried out with the classification: C-s3.d2 of which are excluded covers, anchors or any other small type of accessory. These values are approximate and may vary according to the type of application.
- We have the certificate of Quality in accordance with the requirements of the standard UNE-EN ISO 9001:2008.



- All materials used in the manufacture of Zikonyl ® are considered as inert product according to the Waste Law 22/2011, so they are fully recyclable and respectful with the environment.
- Likewise all the waste generated during the preparation of the orders are gathered for its due management and destruction, according to the current legal regulations.



All our products have a warranty of two years, from the date of supply for any manufacturing defect thereof. This warranty shall not, in any way, cover any deterioration due to misuse, wear, or deterioration of other parts not supplied by us.