



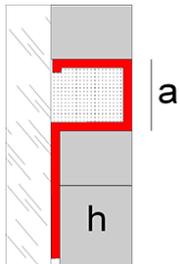
## Novolistel® 3 Aluminium



Profile with squared section, made of aluminum, designed to be installed as a decorative listello, a floor separator or as a stair nosing, among others. This profile is easy to install during the tile work and protects the edges of ceramic installations. It is available in high quality anodized and lacquered colors and also in exclusive ranges of color such as the exclusive Sensations range or with antibacterial properties for the sanitary and health establishments.

### General Features

 Reg. 0504253-6



Material:	Anodized aluminum Lacquered aluminum Natural aluminum
Length:	8'2" / 2,5 l.m.
Dimensions:	h: 5/16"* , 3/8" , 1/2" 8* , 10, 12 mm. <small>*only some finishes</small> a: 3/8" / 10 mm.
Packaging:	30 u/box
Finishes:	Natural <i>Anodizing:</i> matt and mirror silver, matt/mirror-bright gold, brushed mirror-bright, matt/mirror-bright black, matt copper, matt bronze, brushed metal, champagne <i>Lacquered:</i> white, matt graphite Sensations range Antibacterial range <small>*Check available finishes for each height</small>

### Applications

Novolistel® 3 is the most versatile profile in the markets. It can be installed as:

- Decorative listello
- Edge protector
- Flooring separator\*
- Stair nosing\* or finishing edge (countertops, frame...)

*\*The lacquered finishes are not recommended to be installed in floorings*

### Complementary pieces

Novolistel® 3 has complementary pieces available made of Zamak to get a perfect finish.



These pieces can be installed to finish two or three profiles both in horizontal installations as in vertical ones. The geometry of the piece will vary according to the finish.

### Technical Features and Tests

Alloy:	6063 (AA and ASTM) L-3441 (UNE 38-301-89)
Fire resistance:	M0 (UNE 23-727-90)
Abrasion resistance*:	Very good
Lightfastness*:	Excellent
Appearance and color*:	EN 12373-1

*\*Anodized aluminum*

### Materials

Aluminum

Novolistel® 3 is a profile made by extrusion of aluminum. Anodizing improves the corrosion resistance, mechanical resistance and appearance of profiles. It has the quality seal Qualanod, which guarantees the quality of the process and the resulting profiles. This seal regulates several tests: appearance and color, thickness measurements, sealing and impregnation control, abrasion resistance, lightfastness, acetic saline chamber and nitric acid immersion.



The lacquered finishes have a high quality and homogeneous surface. The lacquering has the quality seal Qualicoat, which guarantees the quality of the process and the final products.



The natural finish has no surface treatment so is less resistant to corrosion and scratching. It is not recommended installing natural finishes without the application of an additional protection.

Aluminum has excellent chemical, physical and mechanical properties. It is lightweight, tough, ductile, malleable and highly durable

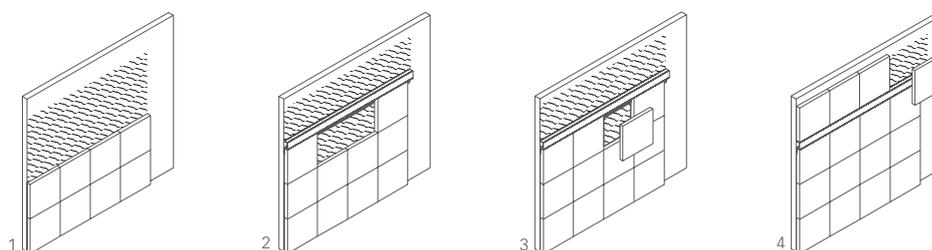
## Zamak

The complementary pieces of Novolistel® 3 are made of aluminum (**only available in two heights with silver matt finish**) or Zamak. Zamak is a non ferrous alloy of Zinc with aluminium, magnesium and copper (UNE EN 1774). It is tough, has high hardness, high mechanical strength and excellent plastic deformability.

## Installation

### As a listello

1. First spread a big amount of thin-set mortar on the surface to be tiled and then tile it up to the approximated height where you'll place the listello.
2. Place the tiles in the end of the next row, aligning them with the previous tiles. Then place the profile aligned to them, embedding the anchoring wing between the wall and the tiles. Press the profile to ensure the thin-set mortar passes through the holes of the anchoring wing.
3. Place the remaining tiles, pressing softly to get an optimal adhesion.
4. Then, continue tiling the wall up to the desired height.
5. Finally, clean the leftover material and let dry.



### As an edge protector

1. Spread a big amount of thin-set mortar on the surface to be tiled.
2. Align the profile with the corner and press it so the thin-set mortar passes through the holes of the anchoring wing.
3. Place tiles on the fixing wing and press them to get an optimal adhesion.
4. Continue tiling the wall.
5. Finally, clean the leftover material, remove the protective film if necessary and let dry.



### As a flooring separator

1. Spread a big amount of thin-set mortar on the surface to be tiled.
2. Then, place the profile and press it so the thin-set mortar passes through the holes of the anchoring wing.
3. Place a tile on the anchoring wing and press it to get an optimal contact with the thin-set mortar.
4. Repeat the the previous step by placing tiles both sides the profile until the installation is complete.
5. Finally, clean the leftover material, remove the protective film if necessary and let dry.

\* If you are planning on polishing the floor, install the profile slightly below the tile.



As a stair nosing or countertop finish-off

1. Spread a big amount of thin-set mortar on the riser
2. Tile the riser.
3. Then, spread a big amount of thin-set mortar on the tread and align the profile on its vertex (Do not let overhang, the leverage may remove the step and the tiles). Then press it so the thin-set mortar passes through the holes of the anchoring wing
4. Place a tile on the tread, align it to the profile and press it to ensure a perfect adhesion. Continue tiling.
5. Clean the leftover material, remove the protective film if necessary and let dry



## Cleaning and maintenance

The profiles should be cleaned periodically with a soft cloth. If you use a neutral liquid cleaner, you must rinse the profile with cold water and dry to remove excess moisture.

You can clean the anodized finishes, if dirtiness persists, with a suitable slightly abrasive cleaning products or with specific metal cleaners. The lacquered finishes are more delicate and must be cleaned with neutral detergents using soft cloths with no abrasive particles that could damage the surface treatment. You can obtain a polished finish in natural finishes by using specific metal cleaners such as magic cotton or generic polishers.

In all cases the steel wool, abrasive cleaners, souring products as well as strong acids (hydrochloric and perchloric), strong bases (caustic soda or ammonia) or carbonated solutions are not recommended. Citric acid is not recommended because dissolves the protective layer of the surface of aluminium. Waxes, petrolatum, lanolin or similar substances are not appropriate. Solvents containing haloalkanes (hydrofluoroether and chlorinated solvents) and curing accelerators containing chlorides should not be used (use special accelerators free of chlorides).

## Technical Information

You can find out more information about the technical features of Emac®'s products by downloading their Technical File from [www.emac.es](http://www.emac.es)

If you have any query, please contact our Technical Department in [tecnico@emac.es](mailto:tecnico@emac.es)

