



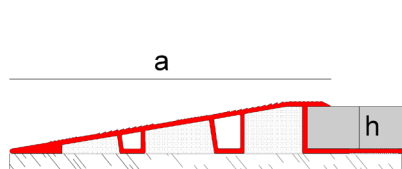
## Novonivel® Forte



Novonivel® Forte is a transition profile with wide face side, whose surface has been striated to offer better resistance to slip. Its reinforced base, allows it to support loads and a high level of transit. This profile is made of anodized aluminium, which makes it suitable to its placement outdoors or indoors. Novonivel® Forte helps to fulfill with the DB-SUA from CTE (Building technical code) and it is available in matt silver.

### General Features

Material:	Anodized aluminium
Lenght:	8ft2in / 2,5 m.l.
Dimensions:	h: 1/2" / 12 mm. a: 3-51/64" / 96,4 mm.
Packaging:	10 u/box
Finishes:	13 - Matt silver



### Applications

Novonivel® Forte is a profile designed to its placement in pavements, to avoid discontinuities safely. This profile has a wide non-slip face side and it is suitable for pedestrian or traffic. Some of its applications, for example, are:

- Discontinuities in pavements outdoors or indoors.
- Entrances of garages
- Entrances of stablishments
- Public places.

Novonivel® Forte helps to fulfill the DB-SUA document from CTE (Building Technical Code), contributing to save discontinuities less than 2" / 50 mm. with a slope less than 25%.

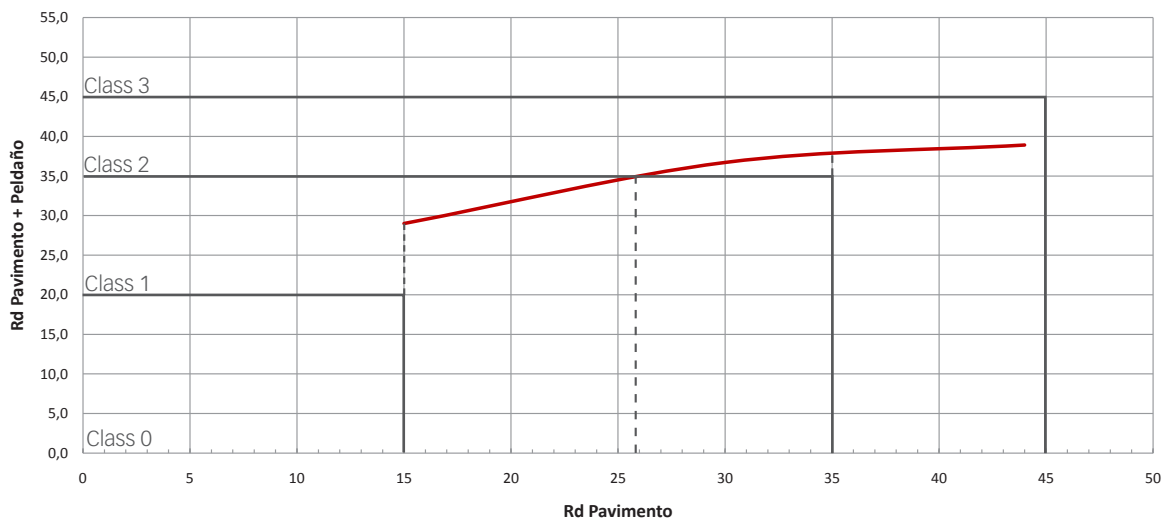
### Technical Features and tests

Alloy:	6063 (L-3441/38-337)
Fire resistance:	M0 (UNE 23-727-90)
Abrasion resistance:	Very good
Lightfastness	Excellent
Appearance and color	EN 12373-1
Slip resistance	Good (*see graph in next page)

UNE ENV 16333

AIDICO

## Performance of slip resistance Novonivel® Forte



\* In this graph you can see the comparison between the Rd of the flooring without Novonivel® Forte and the Rd of the flooring with the profile installed. The different areas that conform different classes have been delimited to see clearly the improvement obtained of Rd and of flooring class.

Comparison chart  $R_d$  and Class

$R_d$ Flooring	Initial class of flooring	$R_d$ Flooring+ Novonivel® Forte	Flooring class + Novonivel® Forte
< 15	0	<b>29</b>	<b>1</b>
15 - 26	1	29 - 35	1
26 - 35	1	<b>35 - 38</b>	<b>2</b>
35 - 45	2	38 - 39	2

\* With the help of this chart you can know the Rd and the class of the flooring which will result due to the installation of Novonivel® Forte as stair nosing. You can compare the values obtained respecting to the flooring without the profile installed. Values marked in green will identify those values whose improvement has meant an increasing of the class of the flooring.

## Materials

Aluminium



Novonivel® Forte is a profile made by extrusion of aluminium. These profiles have been anodized, improving mainly by this process their corrosion and mechanical resistance and their appearance.. The anodized applied, 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 aluminium is a material with excellent chemical, physical and mechanical properties. It is lightweight, tough, ductile, malleable and highly durable.

\*You can amplify the information by consulting the Technical Files available in [www.emac.es](http://www.emac.es)

### Placement



To see the video, capture this image with your mobile phone (software QR code reader is necessary) or click on it.

1. Spread a big amount of gripping material on the surface where you will install the profile.
2. Then, place the profile and press it to let gripping material pass through the mechanized holes of the fixing wing.
3. Place a tile on the fixing wing and press it to achieve an optimal contact with the gripping material.
4. Repeat the process, placing tiles along the fixing wing of the profile.
5. Finally, clean the remaining material and let dry.



### Cleaning and maintenance

The product must be cleaned periodically with a soft cloth. If you use a neutral liquid cleaner, you must rinse the profile with cold water and dry it to remove the humidity excess. The persistent dirtiness can be removed by using cleaning approved agents lightly abrasive or a grid covered with polished powder neutral. If a preserving agent is applied, as well as keep a very thin layer of water repellent, note that it can't be yellow, attract dust or dirt or have iridescent effects.

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 neither 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 its Technical File in [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).



Indoors



Outdoors



Paving



Recyclable

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