

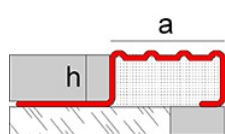


Novopeldaño® 4 Stainless steel



Stair-nosing profile, made of AISI-304 Stainless Steel, designed to protect and decorate the edge of tiled stairs. Its striated visible side acts as a slip-resistant element and increases the safety of stair edges. Its design integrates perfectly the tiles and gives the stairs an elegant touch. Available in natural finish.

General features



Material:	AISI-304 Stainless steel
Length:	1 / 2,5 m.l. (3ft2in / 8ft2in)
Measures:	h: 11 mm. (7/16") a: 25 mm. (1")
Packaging:	10 u./box
Finishes:	11 - Natural

Applications

Novopeldaño® 4 Stainless Steel is a profile designed to be placed as a stair nosing. Its striated face side helps to fulfill with the DB-SUA (Basic Document of Security in usage and Accessibility) from CTE (Spanish Technical Building Code) because improves the value of slip resistance of the floor where it is installed.



The Technical Guide of Accessibility in building 2001, also recommends the installation of visual and tactile elements at the beginning and the ending of stairs to favor the accessibility of people with reduced visibility.

Novopeldaño® 4 Stainless steel is ideal for public areas such as airports, hotels, hospitals, etc. and for its installation in homes. Its easiness of placement, without need of work, makes it specially indicated for reform works and facilities improvements.

Materials

Stainless Steel Novopeldaño® 4 stainless steel is a profile made of stainless steel AISI-304. All the material batches are tested with the chemical composition test to determine that they fulfill with the specification of the alloy. Stainless steel used in the Emac® products has been also tested with salt spray test, exceeding 500 hours of exposition without signs of corrosion.

Stainless steel is a highly durable and resistant material, with an excellent superficial appearance that does not degrade along the time. The finishes available are high brightness, brushed or the "futura" range whose covering contains titanium. All the finishes are slightly porous and smooth, making easier the hygiene of the installation.

*You can amplify information by consulting the Technical Files of materials available in www.emac.es

Technical Features and Tests

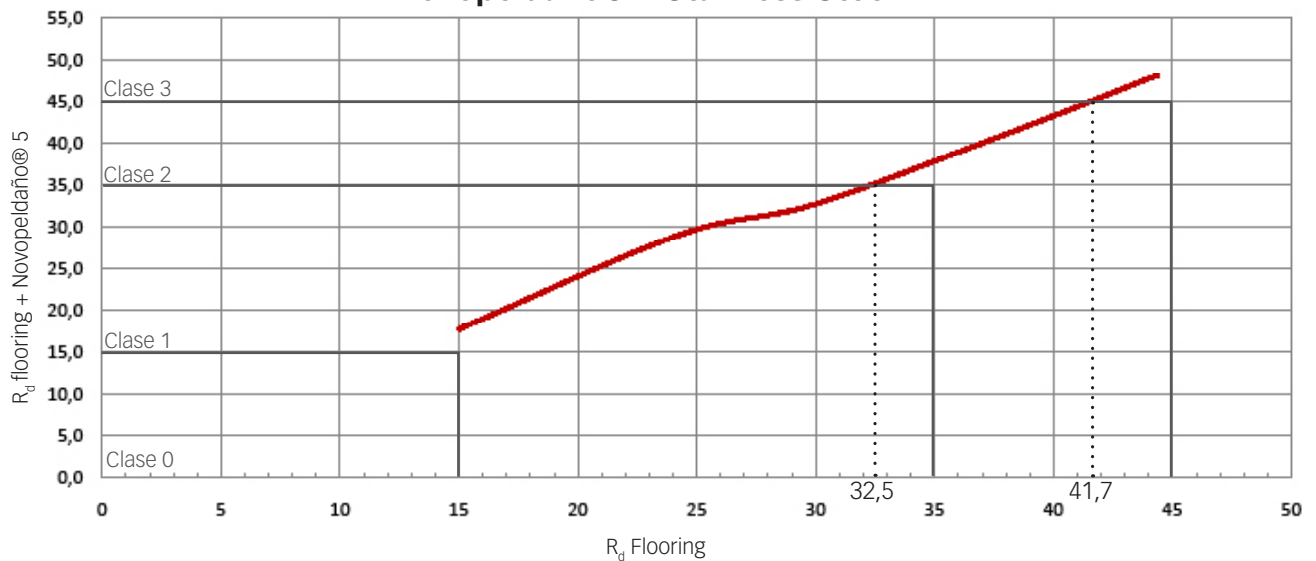


Alloy	AISI-304 Composition test of each batch		AIMME
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Corrosion resistance	Salt spray test + 504 hours without change (stainless steel) + 650 horas without change (stainless steel covered with titanium)	UNE 112017:92	AIMME
Slip resistance	Excellent (*see graph in the next page)	UNE-ENV 12633:2003	AIDICO

Performance of slip resistance Novopeldaño® 4 Stainless Steel



* In this graph you can see the comparison between the R_d of the flooring without Novopeldaño® 4 Stainless steel and the R_d of the flooring with the profile installed. The different areas that conform different classes have been delimited to see clearly the improvement obtained of R_d and of flooring class.

Comparison chart R_d and Class

R_d Flooring	Initial class of flooring	R_d Flooring + Novopeldaño® 4 stain- less steel	Flooring class + Novopeldaño® 4 Stainless steel
15 - 32,5	1	17,7 - 35	1
32,5 - 35	1	35 - 37,5	2
35 - 41,7	2	37,5 - 45	2
41,7 - 44,4	2	45 - 48,1	3

* With the help of this chart you can know the R_d and the class of the flooring which will result due to the installation of Novopeldaño® 4 stainless steel 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.

Slip Resistance project developed in collaboration with:



ENTIDAD ASOCIADA A:



Installation

1. Spread a big amount of thin-set mortar on the surface of the riser.
2. Place the tile on the riser and press to get an optimal adherence.
3. Then, spread a big amount of thin-set mortar on the tread and align the profile on its vertex so it rests on the riser (Do not let overhang, the leverage may remove the step and the tiles). Then press so the thin-set mortar could pass through the mechanized holes of the anchoring wing. Be also sure you fill the inside of the profile to reinforce the installation.
4. Place one tile on the tread, align it to the profile and press to get a perfect adhesion. You can tap it softly with a rubber hammer.
5. Clean the possible leftover material and let dry.

Cleaning and maintenance

It's necessary the immediate cleaning of the material after its installation to avoid that remainings of mortar, concrete or iron particles from wool or tools could cause corrosion.

For outdoor applications, such as facades, the rain is an efficient cleaner. Pay special attention to difficult access areas and be sure you remove all the remainings of dust and the rest of elements. You can do this cleaning once per month.



For indoor applications, you can use water with detergent or liquid soap to remove dirtiness and possible fingerprints marked on the surface. In highly brilliant finishes, you can use a glass cleaner. There are specific cleaners in the markets for stainless steel which clean the material and reduce possible stains. Whenever you clean stainless steel, ensure you rinse it well and dry totally to prevent fogging.

Steel wool or similar products, are not recommended because they could scratch the surface and create pitting corrosion. Pay special attention while using materials containing chlorides, they are not indicated because could oxidize the material. Hydrochloric acid or iron products in a long contact with the material are neither recommended. Do not use cleaners for common steel for the cleaning of stainless steel.

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.

If you have any query, please contact our Technical Department in tecnico@emac.es.

