



## DATASHEET

### GripFactory PolyGrip Stair Nosings

GripFactory PolyGrip Stair Nosings are made of polyester reinforced with fiberglass fibers (GRP) with an aluminum grain. By using these high-quality materials GripFactory PolyGrip Stair Nosings are not only very strong and resilient, but also very light and easy to handle. GripFactory PolyGrip Stair Nosings are available in all RAL colors (standard Black, Gray and Yellow), four different grain sizes and can also be ordered completely to size. GripFactory PolyGrip Stair Nosings are a durable solution for dangerous, smooth stairs. You get a whopping 15 year warranty! Samples are available on request.

GripFactory PolyGrip Stair Nosings are suitable for many applications. GripFactory PolyGrip Stair Nosings are virtually indestructible, completely splinter and crack free, and weather resistant. This is how GripFactory PolyGrip Trap Nosings prove their service every winter by making staircases safer. Even more because ice and snow do not adhere to this material.

#### How does it work?

GripFactory PolyGrip Stair Nosings are made to measure in the desired color. After this, the GripFactory specialist will assemble the stair nosings if required. Dust-free and without major renovation. Your staircase is safe to walk on for years.

#### Characteristics

- Impact-resistant – long durability
- Effective in wet and oily conditions
- Easy to assemble – reduces installation costs
- Non-conductive – eliminates electrical and thermal hazards
- Suitable for pedestrians, forklift and other heavy traffic
- Maintenance-free – will not rust or corrode
- 65% lighter than steel – easier to handle and cheaper to install
- Available from 2 mm thickness
- Available in any BS or RAL color
- Available to size
- Available in the grains: barefoot, fine, medium or offshore
- UV resistant
- Chemically resistant

#### Areas of application

GripFactory PolyGrip Stair Nosings are suitable for use in the following situations:

- Concrete stairs
- Wooden stairs
- Steel (fire) stairs
- Offshore and underground applications
- Work platforms
- and much more...

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## Suitable for the surfaces below

- Concrete
- Wood
- Steel Grids
- Stairs

## Technical data

Subject	Result
Thermal expansion	$0 \times 10^{-6}$ graden C
Flexibility	193 MPa
Tension	123 MPa
Thermal conduction	0.2 w/m2K
Tensile modulus	7.1GPa

## Colors

Grey (RAL 7001), black and yellow (08 E 51) are the standard colors. GripFactory PolyGrip Stair Nosings can also be manufactured in other colors (on request).

- B.S. 4800 colors
- B.S. 5252 colors
- RAL colors

## Grain / coarseness

- Ultra fine (barefoot)
- Fine
- Medium
- Offshore



## Fire resistance

GripFactory PolyGrip Stair Nosings can be supplied in various fire resistance grains:

- BS 476 Part 7 Class 1
- BS 476 Part 7 Class 2

## Weight

Nominal thickness	kg / m <sup>2</sup>
3.5 mm	6.80
4 mm	7.80
5 mm	9.70
6 mm	10.80
7 mm	11.90
8 mm	13.20
9 mm	14.40
10 mm	15.36

## Pendulum Test Results

Reference	Grain	Roughness Rz	Temperature (C)	Orientation	Test Value	
					Dry	Wet
F66326	Medium	54.5	24	Along	90	83
				Across	98	85
F66324	Fine	64.7	24	Along	103	87
				Across	100	88

Potential for slip	Pendulum Test Value
High	<24
Moderate	25-35
Low	>36

## Advantages of PolyGrip

- Flexural strength can be enhanced by the addition of woven reinforcement if required.
- Unlike other "Plastic" glazing products GRP will not drip, melt or soften in the event of fire.
- Compared with many other plastics GRP has minimal expansion and contraction characteristics and will not bow and warp in extremes of temperature.
- PolyGrip is up to seven times stronger than mild steel on a weight for weight basis.

GripFactory PolyGrip Stair Nosings are among the most versatile non-slip solutions available on the market and meet the strictest international standards in terms of safety and durability.

# GRIPFACTORY

INNOVATIVE ANTI-SLIP PRODUCTS FOR EVERY SURFACE



## GRIPFACTORY APPLICATION SERVICE

Are you unable to find a solution or do you have questions? Then contact the GripFactory Service Desk (+31 348 203000). For an additional cost you can have GripFactory PolyGrip products applied by a certified applicator.