

Desmopan® Stair Nosing

The L-profile: simple, high-visibility stair edging which can be installed at any time.

Stair nosing improves accessibility and increases safety

We all use stairs numerous times per day and each of us can remember a time when we have tripped up or down a step. And there are many more instances we can remember where we came within a hair's breadth of falling but managed to stop ourselves just in time. Using the stairs is such a normal part of our daily routine that we don't perceive them to be dangerous. And this has consequences.

Twice as many deaths in 2010 related to falling down stairs in comparison to motorbike accidents

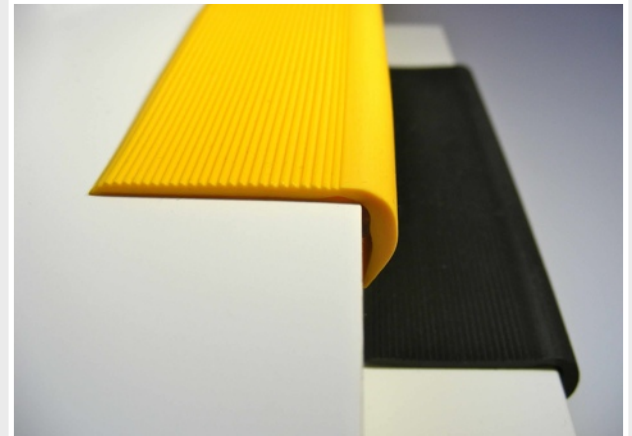
Unbelievable but true! These statistics have been collated by the German Federal Statistical Office. Depending on which study you consult, you will find that there are between 40,000 and 150,000 serious stair related accidents each year just in Germany (with an upward trend). Even within our own four walls, falling down stairs is the most common cause of death, as reported by the German Institute for Stair Safety.

What can we do?

When using stairs we can contribute to reducing the risk of tripping or falling. In general, it is advisable to refrain from going up or down stairs more than one step at a time, and from placing objects on steps. Slippery soles and high heels also increase the risk of having an accident. Those responsible should especially ensure that stairs are sufficiently lit and that handrails and anti-slip, high-visibility stair markings have been installed. It should also be noted that the German Association of Liability Insurers now classes insufficient safety precautions on stairs as gross negligence. If damages or an accident occur, the property owner must pay out, not the insurer.

The bad news and the good news

There is still huge room for improvement concerning the majority of stairs in both public and private German buildings. The good news however is that nowadays safety and accessibility can be achieved simply and cost-effectively. We can show you how.



Stair nosing made of the high-performance plastic Desmopan®: a flat, non-slip, hard-wearing but nevertheless flexible material.

The L-profile from *inclusion* - the simple and effective solution

Our nosing can be applied both indoors and outdoors and on almost all surfaces. The surfaces must be flat and dry and free from dust and grease. The nosing elements can be very easily adapted to varying step widths. Following that, simply peel back the plastic film on the back and stick the nosing to the edge of the step. For more challenging surfaces we use another adhesive system which evens out inconsistencies. Depending on the floor surface, a simple pre-treatment may be necessary.



Colors and Standards

The stair nosing is available in almost all RAL colours (K7), including some fluorescent colours. We can therefore ensure that the customer's corporate design and aesthetic

requirements are taken into account, whilst achieving a maximum level of visibility. Our nosing fulfils the requirements of DIN-standard 18040. Whilst also achieving a slip-prevention-rating of R10 (see German report *BGR 181*).

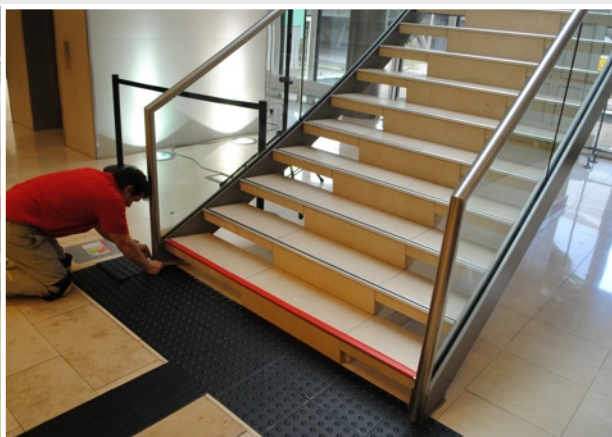
For our products we only use the high performance plastic Desmopan® by Bayer. This material is robust, hard-wearing but still flexible and lightweight.

Its high temperature resistance ensures that the material does not become deformed when exposed to varying temperatures.

Furthermore, our product conforms with the test requirements of FMVSS 302, DIN 4102-1 B1 and UL94 HB for flammability.

The perfect double act: stair nosing and tactile warning surfaces

Tactile warning surfaces have proven themselves to be the perfect addition to stair nosing. A warning surface consists of either domed floor tiles or individual rounded domes (plastic or steel), placed in rows with the help of a template. These are primarily found where attention needs to be drawn to potential hazards e.g. leading up to stairs and lifts.



Tactile warnings consisting of domed tiles (above) or loose domes (below).



Technical Data for the L-profile

Material: Desmopan® by Bayer is a thermoplastic polyurethane (TPU), developed by Bayer MaterialScience, which excels itself through its resistance to abrasion and its mechanical strength, even when subjected to extreme use.

Hardness: circa 80 Shore A

Temperature range: -30°C to +70°C



The L-profile in an upright position. The material is flexible and therefore very easy to work with.

Make the future accessible

Help to reduce the risk of trips and falls and improve safety. You will also simultaneously be making a contribution to accessibility. In doing so, you not only make your business safer but also more attractive to the blind, the visually impaired, the elderly and families with children along with many other groups of people. Ultimately, all stair-users stand to benefit from our system.

If you have any questions, please feel free to contact us.

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