



TM

Lizard Grip

ANTI-SLIP FLOOR SOLUTION



INVISIBLE TREATMENT

Visibly does not affect the look or texture of the flooring

Floor Safety and need for Floor Safety

A lot of our time is spent designing the floors of our house, focussing on its aesthetic values. Whether it would be marble, granites, mosaic tiles or wood, or even tiles that look like wood. However, we often forget the most important facet of the floor – its safety.

Floors are used more than any other part of our home. Practically every single day we walk on it. What we probably don't know is that they are also the most dangerous part of the house. Let's think about it.

Remember the last time a child slipped and had a fall? Or an elder who hurt their feeble knees or hips? Or maybe you fell down yourself? It was probably not serious and you may have brushed it off as an accident. Then too, you put the blame on the wetness of the floor, accidental spillages, not having walked properly and so on. In the meantime, we often forget to blame the real cause of such accidents – the floor itself.

It takes just one bad fall to suddenly turn things serious. Not only does it cost you a lot in terms of medical expenses, but at times, can unfortunately cost lives as well.

What if there was a way to protect yourself against such slip fall accidents?

What if you could somehow shield your floors to make them safer while still preserving their beauty and design?

What if you could do this for a fraction of the cost of expensive medical treatment?

Presenting

Lizard Grip

The perfect solution to safeguard yourself & your loved one against slip fall accidents.

What causes Slip Fall Accidents:

Floors by their very nature are designed to show off their sheen. Polished to a fine shine, almost any floor can lead to slippage and accidents.

Then of course there are the usual culprits: wet floors, accidental spillages of water and oil, high humidity, floor mopping, soap solutions, wet shampoo, improper cleaning, wax-coated floors and so on.

And the most common places where such accidents happen are the kitchens and bathrooms. In any environment, there is usually a localised spot that is more slippery than the rest of the floor. That's where you are more susceptible to slip and fall.

Added to that, if the floor doesn't have an SCOF* of at least 0.5 COF***, the floor becomes extremely prone to slippage. The SCOF measures the slipperiness of the floor and provides an actual guideline to how much is mandatory as instructed by OSHA & NFSI.

While walking normally, the maximum traction demand is in the "pushing off" phase when the toe of the backward foot is in contact with the floor. If the person's toe starts to slip backward, usually it does not present a fall hazard, but that occurrence tips off the human brain to the fact that there is a slippery surface under the foot. As a result the person applies a muscular bias against the slipping tendency and

shortens up the stride so that serious heel slide does not occur. People can walk safely on surfaces that are more slippery than ice, if they know of the hazard. In fact, some surfaces (such as dance floors and bowling alley approaches) are waxed to make them slippery, and nobody falls down from walking over them. But if an unexpected slippery spot occurs on a floor with an overall coefficient of friction less than 0.5 COF, a classic heel slip could occur.

Lizard Grip Treatment makes the surface less slippery when wet than dry so the presence of a lubricant does not create an "unexpected slippery spot".

HOW SERIOUS ARE Slip Fall Accidents:

Slip Fall accidents are not restricted to any particular climate or condition. In fact here's a look at how serious the problem really is:

- Slip Fall Injuries in Bathrooms and Kitchens are a major problem over the world
- 50,000 people visit hospitals every single day due to slip fall injuries
- Slip Fall injuries alone, account for Rs. 100 crore in terms of medical expenses in the US alone
- Slip Fall Injury is the 2nd leading cause of accidental deaths, worldwide
- Over 12 million people are physically disabled due to Slip Fall Injuries every year
- Nearly 90% of all hip fracture cases reported in patients above 60 years of age are due to Slip Fall injuries – in most of them, the damage is irreparable

Laws pertaining to Slip Fall Accidents in USA

In the United States, there are laws that actually cover such accidents. The American Disability Act of 1992 strongly recommends that the floor Friction be maintained to the OSHA, NFSI Standard, i.e. the floor should have a Friction above 0.5COF. Failing which, the organisation is likely to be punished by federal laws and the affected persons will be compensated by the concerned organisation for not maintaining the Floor as per the OSHA standards.

Scientific and Government Agencies Parameters of Slip Fall in USA

According to ANSI* and NFSI** any floor having SCOF* of 0.5 COF*** or above is safe to walk, and any less is dangerous to walk.

As adopted by Underwriters Laboratory (UL) and the American Society of Testing and Materials (ASTM):0.50 SCOF or above has been traditionally recognized as providing non-hazardous walkway surfaces.

According to OSHA (Occupational Safety & Health Administration) and A D Act. 1992 (American Disability Act 1992) that a floor with SCOF below 0.5 SCOF is dangerous and there is a possibility of Slip floor accident.

Does cleaning of floors reduce slip fall accidents?

Proper cleaning will reduce polymerization (mixture of grease, oil and dirt that becomes a wax-like substance coating the surface) making the surface less slippery. However, it will not increase the co-efficient of friction (grip on dry surface) or the slip resistance (grip on a wet surface). That's why you need Lizard Grip Anti Slip Treatment.

Do Anti Skid Tiles prevent slip fall accidents?

In India, Anti Skid Tiles are used in bathrooms, kitchen, balconies and other probable wet areas to prevent Slip Fall Injuries. But let us see how safe Anti-Skid Tiles really are:

- Anti Skid tiles have Convex Indentations
- Continuous flow of Water and Protein residuals damages the Convex Indentations
- Protein molecules of shampoo and soaps leads to unwanted bacterial & fungal growth, hence the surface become even more slippery
- Therefore, in wet conditions the COF drops to 0.2 from 0.3 making the floor extremely dangerous to walk on

In conclusion: **ANTI SKID TILES ARE MORE DANGEROUS THAN NORMAL TILES UNDER WET CONDITIONS**

So what is the solution?

What you really need for your floors is a constant and effective alternative. One that will prevent Slip Fall under all conditions, especially wet areas. While normal cleaning, anti-skid tiles and so on can offer temporary solutions, what you really need is a powerful solution that can take care of the problem in the long-term.

You need Lizard Grip Anti Slip Floor Solution with a 5 Year Warranty.

WHAT IS LIZARD GRIP?

Lizard Grip Anti Slip Floor Solution is an invisible floor treatment. Once

the floor is treated with Lizard Grip, it retains the Anti-slip properties under all conditions: wet with water, wet with oil and water, wet with oil, wet soap solutions, wet with shampoo and so on.

Lizard Grip ensures that the floor friction remains above 0.5 COF as per the OSHA standard irrespective of the nature of the surface – whether wet or dry.

The best part is that Lizard Grip does not visibly affect the color & texture of the floor.

A single application of Lizard Grip Anti Slip Floor Solution will stay on your floors for 5 years at least.

Lizard Grip meets the OSHA and NFSI standard – the US standard of certification, ensuring that you are getting the very best in the world.

Application of Lizard Grip is so easy that anyone can do it – even a senior citizen.

Lizard Grip is so quick to work, that your floors will be ready to walk on within just 2 hours of application.

Lizard Grip can be applied on all kinds of flooring surfaces – Marbles, Vitrified Tiles, Ceramic Tiles, Anti-Skid Tiles, Glazed Tiles, Porcelain Bath tubs, Cemented Floor, Mosaic Floor and so on.

How does Lizard Grip Work?

Lizard Grip might be a liquid but inside it, a very complex technology is at work.

This unique anti-slip floor solution is formulated to create thousands of

micro shallow indentations on the surface. Think of them as nano-sized cups on the surface of the flooring.

When the surface is wet, these shallow indentations get filled with water. Thereafter, when someone stands on the wet surface and one foot starts to slide, the water is squeezed out of the nano-sized cups. It turns the nano-sized cups into thousands of miniature suction cups that actually create a vacuum and stops the foot from slipping.

The technology is very similar to what a Lizard uses to climb up the wall, and even stand upside down.

The Lizard Grip Heritage

- This product is manufactured by Trusty Step International. Lynn, MA USA
- A trusted brand for over 25 years
- Available in over 18 Countries around the world
- Has received several accolades the world over
- Clientele includes numerous top International MNCs

Where can Lizard Grip be used?

Lizard Grip can be used in:

Residences: Bathrooms, Bathtubs, Stairs, Washing areas, Kitchens, just outside the Entrance door, Shower area, Swimming pools, external Staircases and so on

Industrial: Machine floors, Workshops, Walking passages, Common areas, Washrooms, Lobbies, Water stagnant areas, etc.

Corporate Offices: Canteen kitchens, Staircases, Washrooms, Lobbies, Front Areas, etc.

Hospitals: Walkways, Bathrooms, Washrooms, Labs, Balconies, Common areas, etc.

Hotels: Shower cubicles, Bathtubs, Bathrooms, Swimming pools, Kitchens, Washing areas, etc.

Military & Govt. Offices: Stairs, Washrooms, Balconies, external Stairs, etc.

Restaurants: Kitchens and Washrooms, etc.

Shopping Malls: Washrooms and all Slippery areas

Swimming Pools: Shower areas, around Swimming pools, inside Children's Swimming pools

Recreation Clubs: Kitchens areas, Swimming pools, Verandahs, Common passages, Walkways, Washrooms, open & external Stairs etc.
Old-age Homes & Orphanages: All slippery areas, Shower and bathrooms

Sacred Places: External stairs, Balconies, Wet and Slippery areas during rains, etc.

Frequently Asked Questions

1. On what types of floor can Lizard Grip Anti Slip Treatment be applied?

On all hard, glazed and unglazed tiled floors, Natural stones (marble/granite/bluestone/basalt), Cement floors, Porcelain bathtubs, etc. Always test a small area before complete application. As a result of their complex compositions, natural stone are not always suitable for

Lizard Grip Anti Slip Treatment.

2. Can I use Lizard Grip Anti Slip Treatment in my bathtub or shower tray?

Lizard Grip Anti Slip can be used in porcelain bathtubs. Unfortunately, it cannot be used on plastic or fiber bathtubs or shower trays. For plastic or fiber bathtubs or shower trays, you can use Aquatape, which has been specially developed for this particular use.

3. Does Lizard Grip Anti Slip Treatment work on all types of Marbles?

Lizard Grip Anti Slip Treatment will work on the vast majority of marble from wherever it is sourced. However, there are about 30,000 variations to the structure of Marble and there are a few that do not respond to Lizard Grip Anti Slip Treatment.

Conduct 3 test applications on the same area of the marble. In case there is no significant improvement in the COF then it will be one of those rare occasions where the treatment does not work. However, this does not happen very often. If in doubt, pre-test an insignificant area to determine effectiveness and also aesthetic change, if any.

4. How safe is Lizard Grip Anti Slip Treatment environmentally?

Lizard Grip does contain a small amount of acid but it does not contain Hydrofluoric acid and does not require a special neutralizing agent. These chemicals are just washed away with clean, cold water.

Besides, Lizard Grip is virtually free of odour, contains no VOC's and is 100% Bio-degradable.

5. Will Lizard Grip Anti Slip Treatment have any effect on human skin after it is applied on floors/bath tubs?

Our research has proven repeatedly that Lizard Grip Anti Slip Treatment has no effect on human skin. The solution never comes into actual contact with skin. It is applied, post which there is a short activation period, and then is rinsed away.

Only the original surface material remains e.g. ceramic tile etc. Once the anti-slip treatment has been applied and rinsed away there is no residue to affect human skin. However when the product is on the surface all care must be taken to ensure that the anti slip treatment does not come into contact with human skin. Always use the gloves provided in the pack and wear protective footwear during application. Alternately, you can get technically qualified personnel to get the application done.

KEEP OUT OF REACH OF CHILDREN.

6. Is there any guarantee that the treated floor will not change colour / get discoloured or fade after a few days / months of treatment?

It is always recommended that a small test be carried out in an insignificant area to ensure that there is no adverse reaction. In 99% of the cases, there will be no adverse reaction but there may be a few cases where the treatment is not appropriate.

Some black or very dark tiles may fade a little because these tiles contain artificial colourants. They react with Lizard Grip Anti-Slip Treatment. Glazed tiles may lose some of their shine because the micro-pores created by the solution breaks the surface of the glazing coat.

7. Is Lizard Grip Anti Slip Liquid Treatment resistant to urine or chemicals such as chlorine, road salt, acid?

Yes, Lizard Grip Anti Slip Liquid Treatment is resistant to these substances. These substances do not harm the treatment.

8. My floor has a white haze after being treated. Is there anything I can do?

This is completely normal and is called the “whitening effect”. It is the unique technology of the solution that coats the floors. This particularly occurs on darker floors and will disappear within 14 days if the floor is cleaned regularly.

9. Can I use a high-pressure hose to clean a treated patio?

Yes you can. But do not hold the water jet too close to the tiles, because this may not only affect Lizard Grip Anti Slip Liquid Treatment, but also your tiles.

10. On marble surfaces, property owners grind and polish their marble floors quite often. Will it affect Lizard Grip Anti Slip Treatment?

If they polish marble floors, Lizard Grip Anti Slip Liquid Treatment will no longer work. The micro-pores created by the treatment are typically 30 to 40 microns in depth. If, after the treatment, the surface is subjected to grinding the micro-pores it will very quickly disappear and the treatment will not be effective. Dry buffing with a light duty pad will be okay from time to time.

11. How difficult is it to use Lizard Grip Anti Slip Liquid Treatment?

It is very user-friendly. Just follow the step by step Application Instructions.

12. What is the impact of weather and moisture on product and treated floor?

Weather & Moisture has no detrimental impact on Lizard Grip Anti Slip Treatment.

13. How do you maintain the floor after application of Lizard Grip?

Anti Slip floors should be cleaned as would normally be done on a daily basis. The cleaning procedure should preferably use PH neutral substances (non abrasive floor degreaser or cleaner) which will not leave any residue behind on the floor. Scrub the treated floor every month or whenever necessary to free the surface pores from any other contaminants. Do not use heavy soap/wax/polish/crystallization materials as these products may block and prevent the Lizard Grip Anti Slip Liquid Treatment Floor Solution from reacting with wet surfaces. Soap cleaning products, coatings, impregnating products, wax, polymers and crystallization materials have a negative effect on the Lizard Grip Anti Slip Liquid Treatment.

14. Can I polish or wax the Lizard Grip Anti Slip Liquid Treated Anti Slip floors?

No. Lizard Grip Anti Slip Liquid Treatment is designed to reduce floor slipperiness. Wax or polish applied after treatment will make the treated surfaces slippery again and furthermore prevent Lizard Grip Anti Slip Liquid Treatment from reacting with wet surfaces.

15. What is not covered under Lizard Grip guarantee?

Lizard Grip Anti Slip Liquid Treatment does not guarantee that you will not slip and fall. Every day, people slip and fall for a variety of reasons and outside circumstances such as banana peels, soap bars, spilled food and so on. What Lizard Grip ensures is that after treatment, the coefficient friction will be increased, and your chances of falling on a wet slippery floor will be greatly reduced.

16. What is the Lizard Grip longevity period on treated floors?

The longevity of any product is completely based on usage. You will see by testing, how the product works. The factors to be considered are:
A) How hard is the surface of the product you are treating, and
B) What is the level of traffic the surface receives.

Based on these two criteria it has been found that in virtually all circumstances, there were no problems for a minimum period of 2 years. And typically periods of up to 5 years are easily achieved. On most occasions, the service life will be a lot longer. Cleaning and maintaining your floors will ensure a longer life.

17. How important is maintenance of the treated floors?

If proper care is not taken on a correct and regular basis, the micro-pores that produce the anti-slip effect will become blocked with dirt, body fat tissue and other contaminants. This will drastically reduce the effectiveness of the treatment.

18. What is the guarantee period of Lizard Grip?

The treatment is engineered to typically last up to five years. The Guarantee depends upon how the user would take care of treated

surface and maintain the same. What you use to clean your floors and the type of traffic, soil and contamination that occurs can prolong or reduce the life of the product. It also depends on the type of surface that has been treated, the level of wear it will be subjected to and so on. Usually Lizard Grip applicators give a service life of at least 2 years provided the surface is correctly cleaned and maintained; typically the treatment will last a lot longer before re-treatment is required.

19. How is Lizard Grip different from other treatments?

Lizard Grip Anti-Slip Treatment has a pH of 6.2. It is a non-corrosive, etching product that works by creating microscopic textures. It visibly will not alter the appearance, color or texture of tile floors.

We recommend doing a test in an insignificant corner. If it does not adhere to the surface, you will feel no difference in slip resistance and there will be no damage done.

20. Will Lizard Grip affect the durability of the floor/tiles?

Lizard Grip will actually increase the durability and safety.

21. How long before you can walk on the treated area?

Treated areas can be used around 60 minutes after the second application.

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NFSI
STANDARD



RECOMMENDED STANDARD

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