



Venture for
Tomorrow



SAFETEP 세이프텝
SAFE & STEP

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SAFETEP Luminescent Nonslip Art Nonslip Fluorescent Nonslip
Nonslip for Decks Nonslip for Advertising



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Facility Management Business (Busan Buk-gu No. 2011-29-01)
Venture Enterprise Certification (No. 20110200644)
Company Affiliated Lab Certification (No. 2011310529)
Patent Registration (No. 10-1099522) "Manufacturing Method and
Manufacturing Equipment of Nonslip Material for Stairs Made of Natural
Material that Does Not Require Coloring"



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The light that protects you against darkness,
the company that puts its first priority on safety,
the incessant challenges of DONHORND toward the bright word
will continue!

History

- 2006 Company was established as Shintech.
Company product was registered as a utility model, "Non-slip that Utilizes Luminescent Material."
- 2007 "Lumi Nonslip" acquired luminescence performance test result from the Korea Fire Equipment Inspection Corporation.
Company was awarded contract on "Lumi Nonslip" installation in the City Hall Station, Busan Metro.
Company was selected as a beneficiary of the New Technical Idea Commercialization Feasibility Assessment Project of the Small & Medium Business Administration.
- 2008 Company was selected as a beneficiary of the In-depth Technology Support Project under the New Technology Product Selection Support Project.
Company products were registered as procurement items of the Public Procurement Service.
Company acquired international certification of Quality Management System ISO 9001, KSA A 9001.
- 2009 Company products were exhibited in the 2009 Busan Patented New Technology Expo.
Company participated in the Grand Festival for Supporting Sales Channels of Promising SMEs of Korea.
- 2010 Company participated in the 2010 Kyunghyang Housing Fair.
Company participated in the 15th Shanghai International Construction Trade Fair.
Company started export to Australia.
Company products were registered for the MAS (Multiple Award Schedule) of the Public Procurement Service - New demanded items of stair nonslips.
- 2011 Company was incorporated as DONHORND CO., LTD.
Company was registered as a facility management business.
Company factory was registered in the Buk-gu Office, Busan City Government.
Company was qualified to provide goods and civil works in competitive tenders of the Public Procurement Service.
Company was certified as a venture enterprise.
Company Affiliated Lab was certified.
Company opened a U.S. branch office.
Company acquired patent for the Manufacturing Method and Manufacturing Equipment of Luminescent Art Nonslip. (Patent No. 10-1099522)
Company acquired quality management system ISO 9001 certificate (DONHORND)
Company participated in the 2012 Korea On-line E-Procurement System Expo
Company started export to the USA and Japan.
Company participated in the 34th Japan Tokyo International Construction Material Exhibition
- 2013 Company completed construction of the DONHORND company building (Head Office/Factory were expanded and moved in it).
Company exported products to the USA for the 2nd time.
Company registered new products of Safetep LCP-500 Series into the Public Procurement Service
"Nonslip for preventing slipping" was certified as a collective standard by the Korea Senior Products Association
Company acquired environmental mark certificate by the Korea Environmental Industry and Technology Institute
Company was selected as a beneficiary of the Technopark Brand Design Convergence Support Enterprise
Company was selected as a PQ-100 Support Enterprise for Advancing into Foreign Procurement Market by the Public Procurement Service.
- 2014 Company was awarded MAS contract on the "Stair Nonslip" 4 consecutive years by the Public Procurement Service.
Company participated in the 2014 Kyunghyang Housing Fair.
Company participated in the 2014 Korea On-line E-Procurement System Expo.
Company participated in the Korean Remodeling Expo.
Company exported products to the USA for the 3rd time.
"SAFETEP" trademark was registered.
Company was awarded contract on supply of stair nonslip to the Seoul Educational Facility Management Office under the Seoul Metropolitan City Education Support Office two consecutive years of 2013 and 2014 (Supplied about 33,000 m of company products).



View of the Head Office/Factory of DONHORND

Certificate

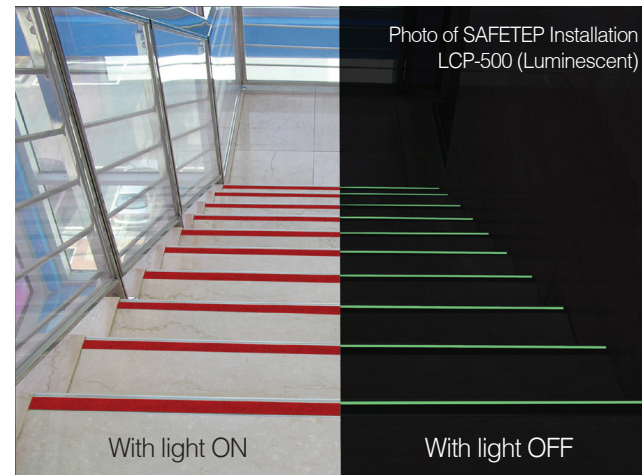
- Venture enterprise certificate
- ISO 9001 certificate
- Utility model registration of "Non-slip that Utilizes Luminescent Material"
- Design registration of nonslip for stairs (LN-100A)
- Design registration of nonslip for stairs (LN-100B)
- Design registration of nonslip for stairs (LN-100C)
- Design registration of nonslip for stairs (SN-100)
- Design registration of nonslip for stairs (LN-200B)
- Design registration of nonslip for stairs (LN-300)
- Design registration of nonslip for stairs (LN-200A)
- Design registration of luminescent guiding signboard
- Invention patent application for nonslip for combining treated timber structures (Patent-2010-0073233)
- Trade mark application for Lumi Nonslip
- Company Affiliated Lab certificate
- Patent registration (Patent No. 10-1099522), "Manufacturing Method and Manufacturing Equipment of Nonslip Material for Stairs Made of Natural Material that Does Not Require Coloring"
- Design registration of nonslip for decks (WCP-100)
- Design registration of nonslip for stairs (LCP-500)
- Design registration of nonslip for stairs (LCP-400)
- Trademark registration (No. 40-1045214) — SAFETEP (SAFETEP Nonslip)



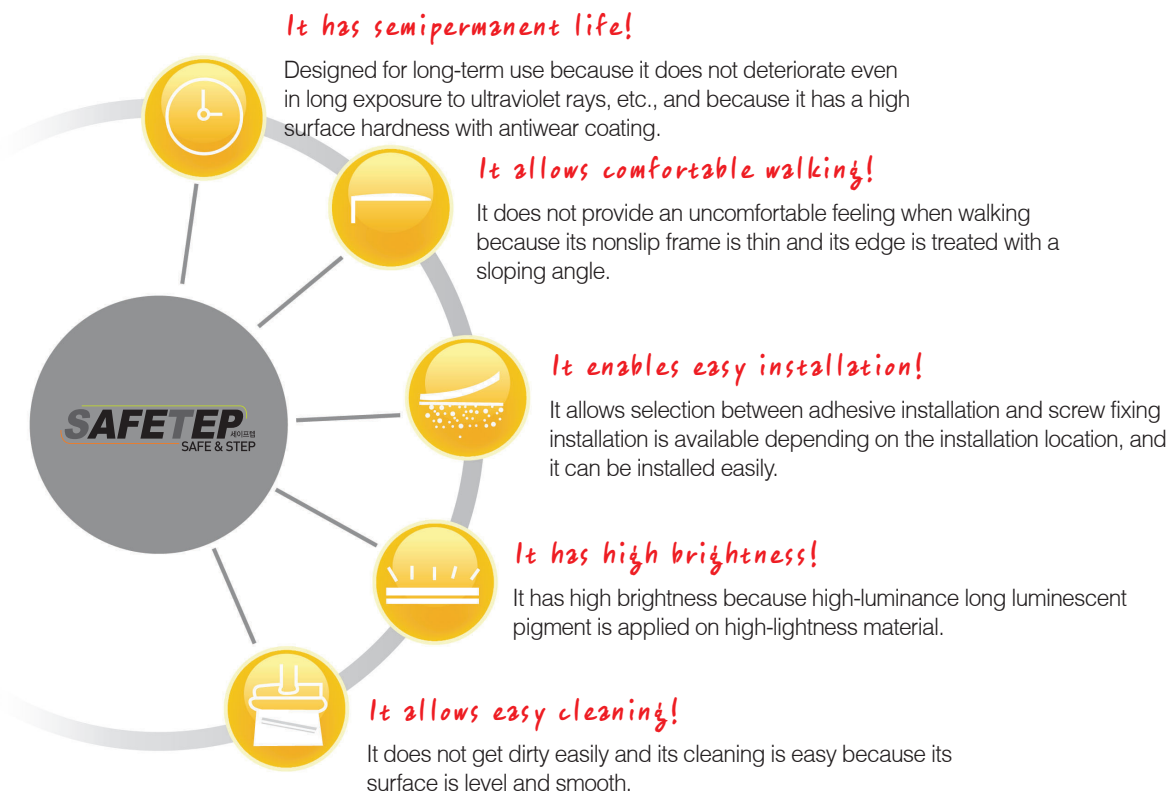
Products

SAFETEP is a compound word consisting of Safe and Step. It is a nonslip manufactured by DONHORND's own patented technology in which thermo-hardening emery sand (ceramic) is pressure-fused on aluminum pad.

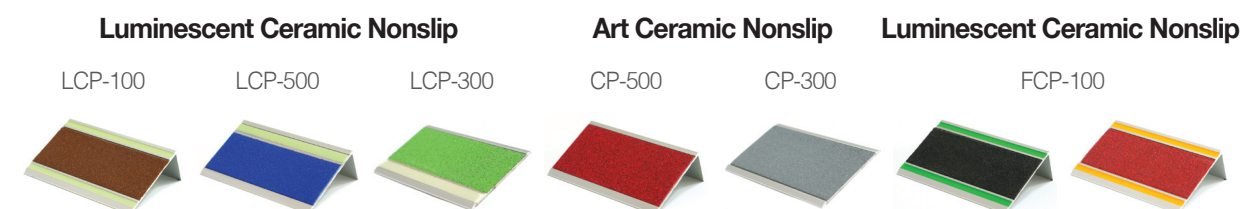
- Trademark registration (No: 40-2013-0067260)
- SAFETEP (SAFETEP Non-slip)
- Invention patent (Patent No. 10-1099522)
"Manufacturing Method and Manufacturing Equipment of Nonslip Material for Stairs Made of Natural Material that Does Not Require Coloring"



Product Features



Product Series



Product Details

Ceramic nonslip with aluminum base

Strong against ultraviolet rays, high durability, little peeling and dislocation, semipermanent usability, adhesion with high-strength adhesive
Products of other manufacturers = PVC, rubber, polyester
Low durability, vulnerable to discoloring, peeling, and fire

Integrated-type nonslip with ceramic (emery sand) + luminescence

Antiwear and antislip
Excellent resistance
High-brightness luminescent pigment is used.

Fixed with screws to maximize adhesion

Simple and light owing to thin aluminum frame

Sawtooth shape

Sleeping/catching minimized at the edge

What is phosphorescence?

It absorbs and stores ultraviolet rays emitted from the solar light, fluorescent lamps, and other various lamps, and it emits light in the dark when the light source disappears. It allows repeated use because it continues absorbing and emitting light.

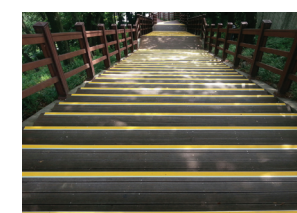
Anodizing antirust treatment

Aluminum discoloring, corrosion, and scratch minimized

Installable without separate work on the bottom surface

Easy installation

Saves on time and cost



Decks



Tiles



Steel stairs



Repairing of deteriorated nonslip



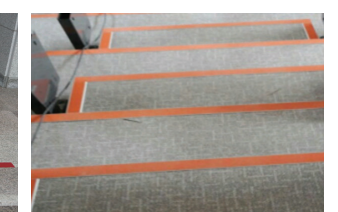
Granite or marble stairs



Wooden stairs



Sloped paths

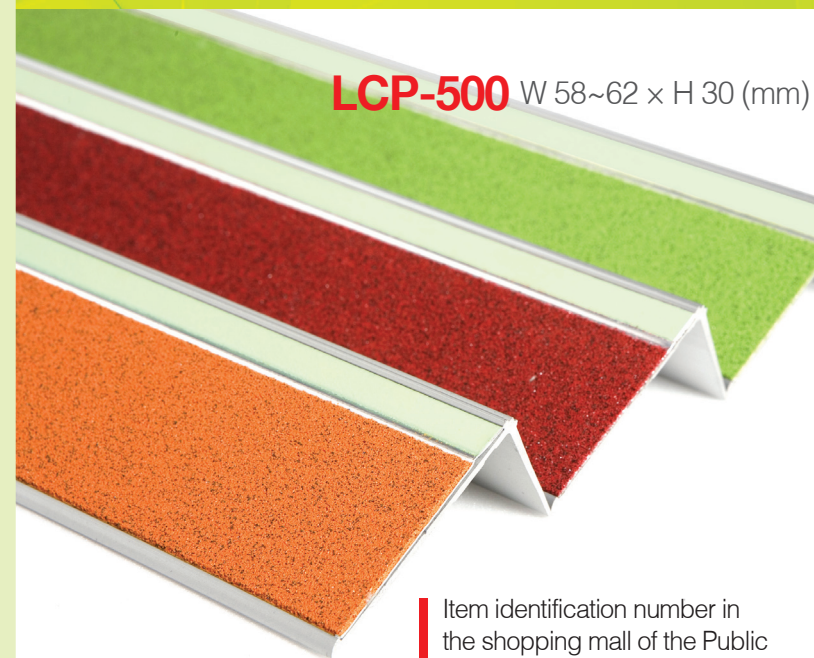


Carpets

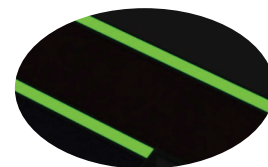
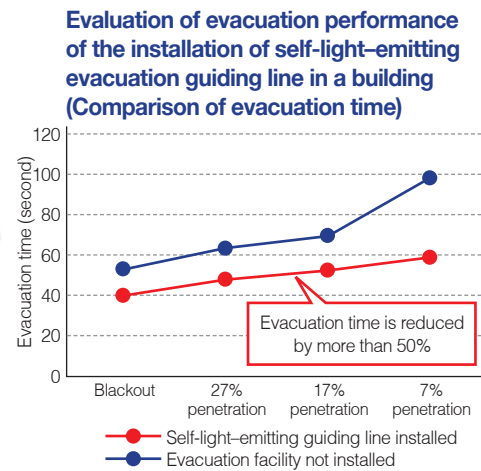
Luminescence ceramic Non-Slip

LCP-500 / 300 / 100

Being made of luminescent material that emits light without a power source, they add to safety of passengers at lightless indoors.



Item identification number in the shopping mall of the Public Procurement Service
LCP-500 (22542426)



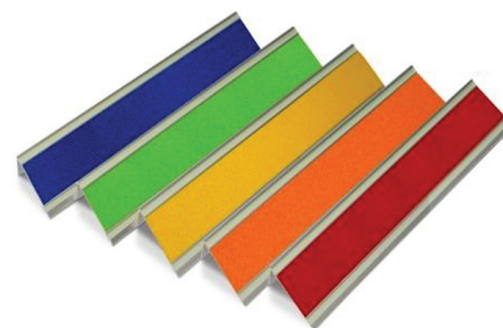
It is easily identifiable in smoke or darkness

LCP-300 W 60 (mm)



Having luminescence and flat structure, it is dedicated to slippery sloped paths.

LCP-100 W 64 × H 30 (mm)



It is a luminescent high-function product having two luminescent strips.

LCP-500



Suncheon Industrial High School

LCP-300



External stair near Jung-gu Office, Daegu

LCP-100



Masan Girls' High School

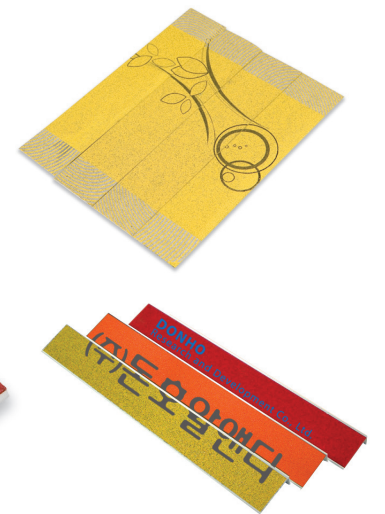
Art ceramic Non-Slip

CP-500/400/300

This product has excellent antiwear and slipping resistance. It allows various color expressions and installations at various locations.

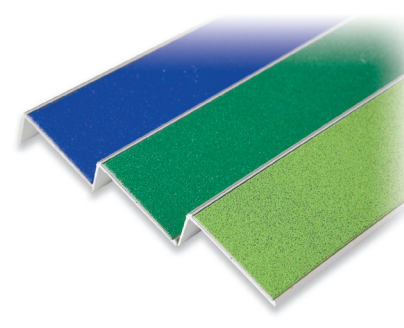


Item identification number in the shopping mall of the Public Procurement Service
CP-500 (22542425)



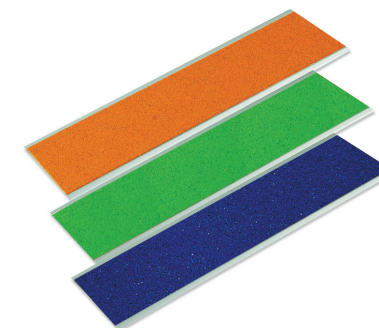
It allows special expression with nonslip by displaying various designs or corporate logos.

CP-400 W 45 × H 20 (mm)



Various applications are available with slim size

CP-300 W 60 (mm)



Item identification number in the shopping mall of the Public Procurement Service
CP-300 (22179333)

It has plate structure and is mainly used at sloped paths.

CP-500



Deck stair of Igidae Waterside Park

CP-400



Public parking lot in Geumjeong-gu, Busan

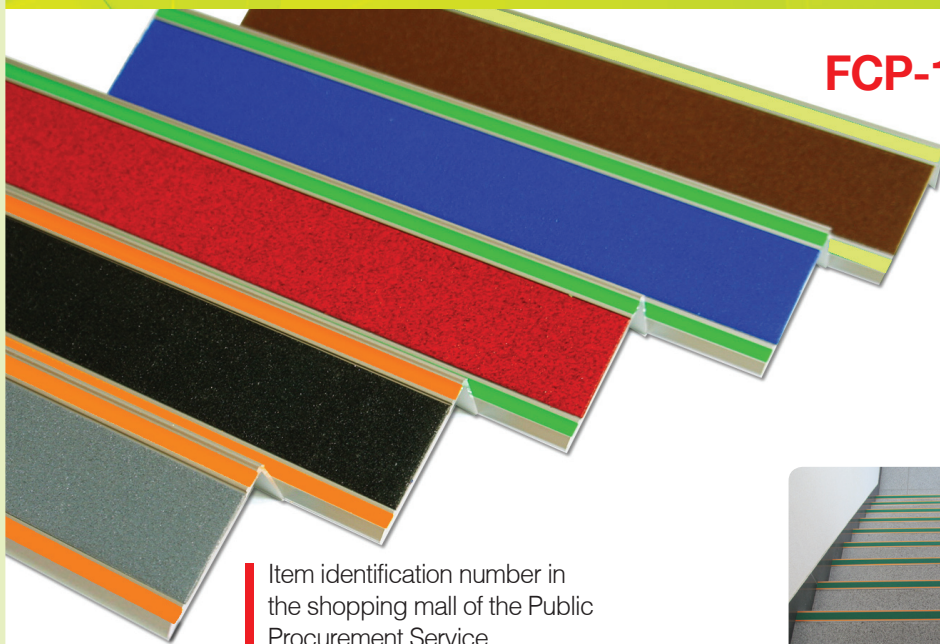
CP-300



Deck sloped path at the promenade in Oncheonchon

Fluorescence Ceramic Non-Slip

It provides easy visibility of stair edges because it has a fluorescent strip that shines in dark indoor/outdoor location that has a small amount of light



FCP-100 W 64 × H 30 (mm)

What is fluorescence?



It shines under constant stimulus from light.



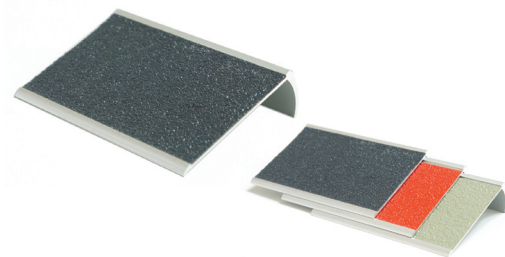
Hapcheon Public Health Center



Changwon Jinjeon Elementary School

Other nonslips

Normal type ceramic nonslip
SN-700/100

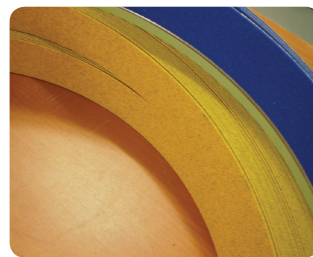


Ceramic nonslip (about 33,000 m)
Company provided nonslip to the Seoul Educational Facility Management Office for two consecutive years.

Ceramic aluminum nonslip pad



It can be installed by adhesion easily on sloped paths or floors.



Roll-type delivery is available to meet the desired order quantity from the company's exclusive manufacturing process.

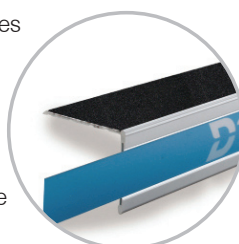
Advertising nonslip



Advertising nonslip ACP-100

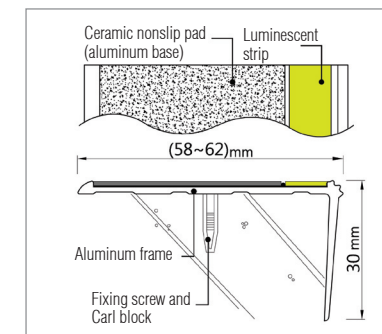
It has a nonslip function and adds to the corporate ambience and expression of advertisements.

Various advertising messages can be inserted at low cost. Semipermanent ceramic material Various colors are available Increase of interior effect It has a detachable structure

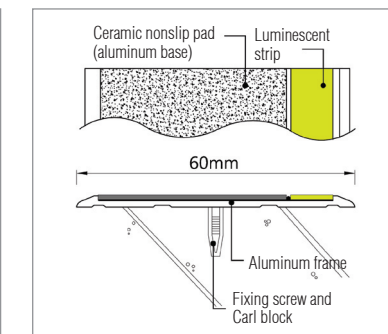


Product drawings (CAD)

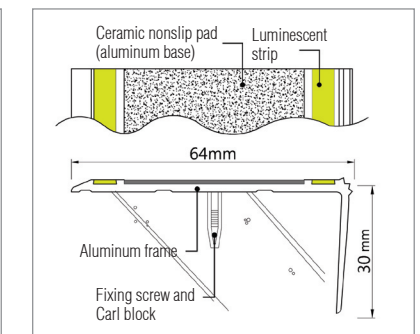
LCP-500



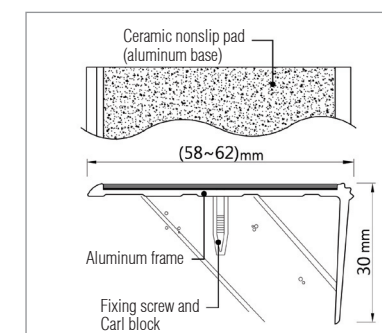
LCP-300



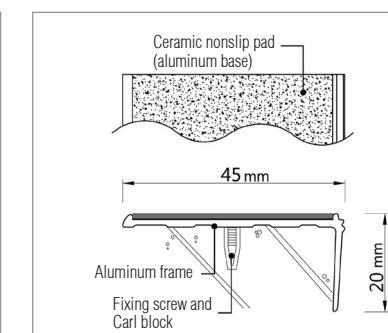
LCP-100



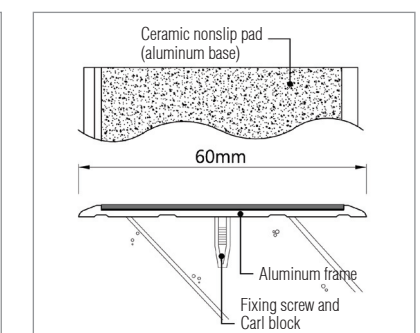
CP-500



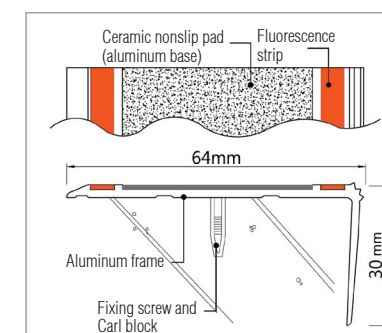
CP-400



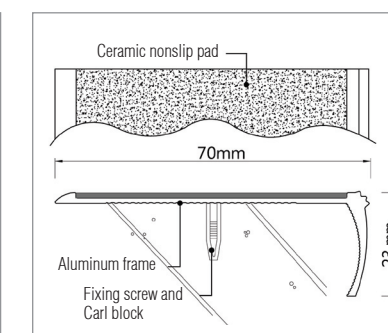
CP-300



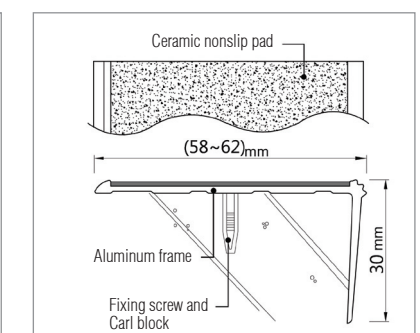
FCP-100



SN-700

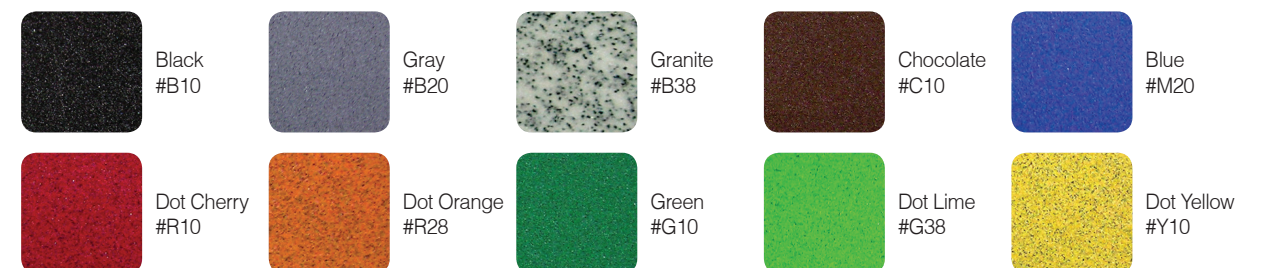


SN-100



COLOR PADS

Various combinations of colors and pads of the product are available.

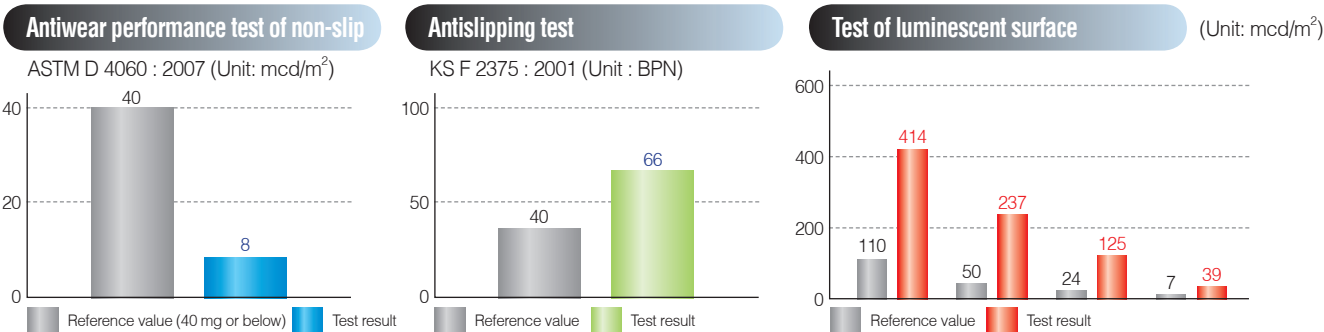


Performance Tests

Performance of the SAFETEP nonslip has been proven through multiple tests.

Test result from official certification organization

Korea Chemical Testing Institute, Korea Fire Institute



SAFETEP vs Nonslips of other manufacturers

Category	SAFETEP	Nonslip of other manufactures (domestic/foreign)
Anti-slipping	Made of emery power, aluminum base Nonslip is manufactured in patented method Excellent antislipping and durability	PVC, rubber, and polyester Low antislipping of vinyl material
Luminescence	High-brightness luminescence (3-4 times of the KS standard) Strong durability and anti-wear	No luminescence or low luminescence because luminescent material is mixed with plastic
Merits/Demerits	Eco-friendly material Semipermanent usability (Indoors/outdoors) Available in various colors.	Low price (foreign products are expensive) Toxic gas is generated in case of fire. Low durability and occurrence of defects
Thickness	Little discomfort with thickness of only about 2-3 mm	Much uncomfortable feeling during walking with large thickness of about 5mm
Nonflammable material Performance comparison when ignited with gas torch (instant temperature 250°C)	 No change	 Burned immediately

Defective cases of products of other manufacturers

SAFETEP Nonslip products have semipermanent use because they are made of excellent material and have high surface strength, which has long-term resistance against deterioration caused by the external environment.

Before installing products of other companies



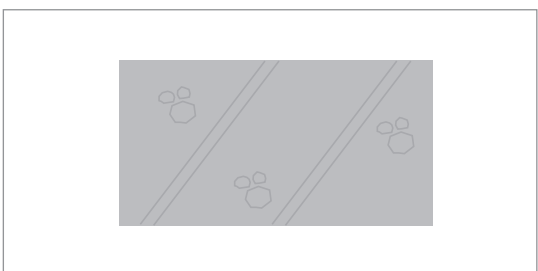
After installing SAFETEP

Installation method

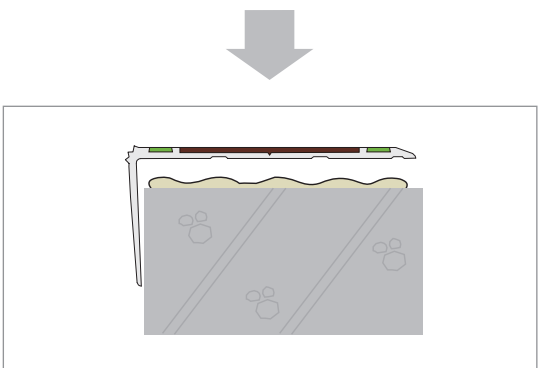
SAFETEP aims for optimum installation with a method suitable for installation condition

Installation method

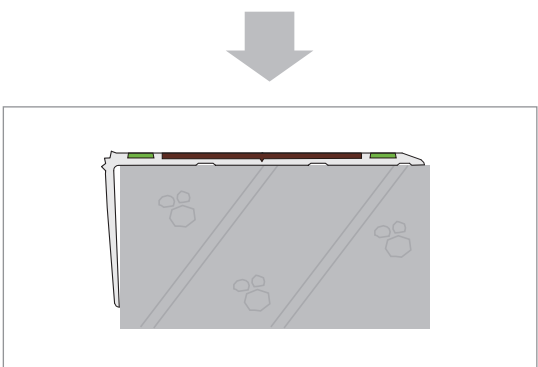
Adhesion installation



Clean the adhesion surface.

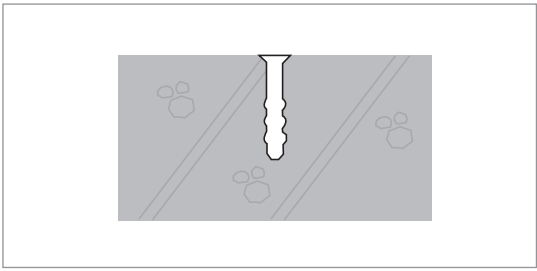


Apply dedicated epoxy adhesive, and attach the product.

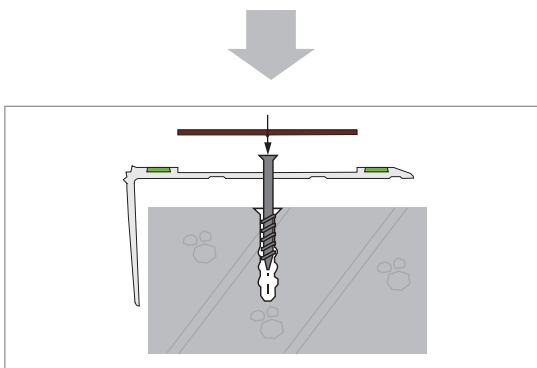


Cleaning the plate surface completes the installation.

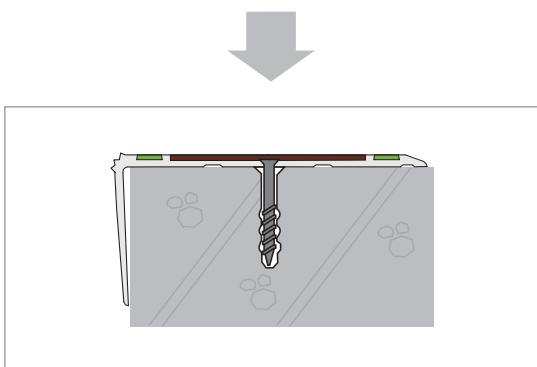
Screw installation



Clean the installation surface. Drill screw holes and insert Screw anchor.



Apply silicon sealing underneath the nonslip, fasten screws, and attach the nonslip tape.



Cleaning the plate surface completes the installation.

Items needed for installation

Subject to variation depending on the site condition

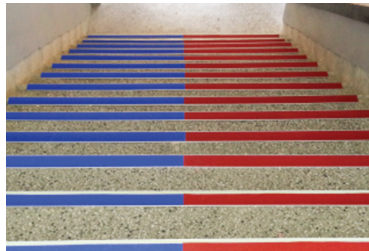
Essential items by installation location

Concrete/tiles	Silicon, stainless countersunk screws (28~38 mm), Screw anchor
Decks	Silicon, stainless countersunk screws (20~25 mm)
Marble/granite	If drilling is not available: Epoxy adhesion installation (pneumatic silicon gun is utilized) If drilling is available: stainless countersunk screws and silicon

Representative installation cases

Major Sales History

Schools



Cheongsong Girls' High School,
Gyeongbuk



Wongwang Girls' High School,
Jeonbuk

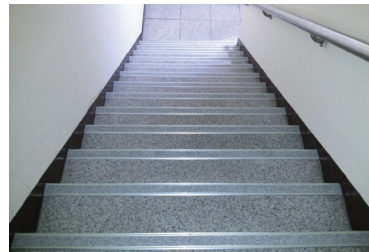


Daseon Middle School, Busan

Public facilities



Nam-gu Office Building of Ulsan City
Government

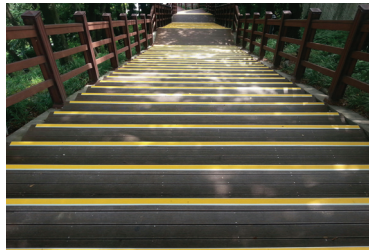


Gangwon-do Educational Office



Korea Electro Technology Research
Institute

Decks



Geumryunsan Youth Training Center

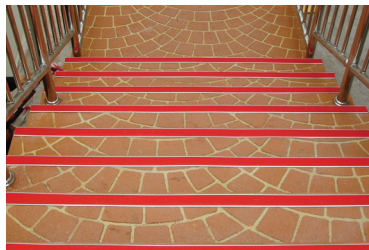


Igidae Waterside Park

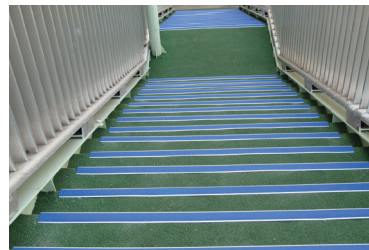


Traditional Oriental Medicine Resort in
Sancheong-gun

Land bridges, roads



Land bridge in Jaesong-dong,
Haeundae



Land bridge in Janrim-dong Saha-gu

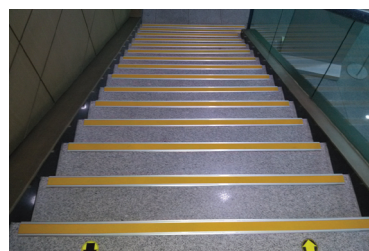


Land bridge in front of Jamwon
Elementary School in Seocho-gu

Commercial / housing facilities



Oryukdo SK View Apartment Hose



Volvo Korea in Changwon



E-mart in Yeonsan-dong



Public Procurement Service

Registered into the E-Shopping Mall of the Public Procurement Service.
Safe contracting, and reliable quality and installation



LH Korea Land and Housing Corporation

한국토지주택공사 Company products were selected as a method of repairing deteriorated nonslips by LH.

Schools, and educational facilities

A private school in Sidney, Australia; USC in the USA

(Seoul, Gyeonggi) Seoul - Samgaksan Elementary School, and Seongbuk Elementary School; Gyeonggi - Osan Elementary School, Anseong Elementary School, Down Elementary School in Bucheon, Daeson Elementary School in Suwon, Donghyun School in Gwangju, Seoul Education Facility Management Office, Korea University Affiliated Middle School; Kumho Girls' Middle School, Yeosu Middle School in Incheon, Anyang Middle School, Geumo Middle School in Uijongbu, Daewon Middle School in Seongnam, Backan High School, Seokwan High School, Tongjin High School, and Suwon High School.

(Busan) Goeje Elementary School, Gamjeong Elementary School, Goejeong Elementary School, Geumchang Elementary School, Daeyun Elementary School, Donghang Elementary School, Bansan Elementary School, Bongrae Elementary School, Bongsam Elementary School, Suyong Elementary School, Shinjae Elementary School, Okcheon Elementary School, Yongsan Elementary School, Unbong Elementary School, Ulsan Elementary School, Janglim Elementary School, Juasung Elementary School, Jure Elementary School, Dasong Elementary School, Modong Middle School, Yunsan Middle School, Sangdang Middle School, Jaesong Girls' Middle School, Donghyun Middle School, Hadan Middle School, Yangwon Middle School, Namsan Middle School, Deokpo Girls' Middle School, Jugam Middle School, Gamcheon Middle School, Daseon Middle School, Daseon Middle School, Gupo Middle School, Hakjang Middle School, Deckmun Girls' High School, Dongraon Arts High School, and Haeundae Haeseong Kindergarten

(Gyeongnam, Ulsan) Changwon/Masan - Guam Elementary School, Naedong Elementary School, Dongbu Elementary School, Bongdeok Elementary School, Bonglim Elementary School, Sahwa Elementary School, Sangye Elementary School, Shinbang Elementary School, Yanggok Elementary School, Ohcheon Elementary School, Yongho Elementary School, Wolseong Elementary School, Hacheon Elementary School, Daam High School, Yangsan High School, Myeongji Girls' High School, Jungang High School, Masan Gwangrye Elementary School, Muhak Elementary School, Bukseong Elementary School, Seokjeon Elementary School, Wolhyung Elementary School, Jinjeon Elementary School, Guam Elementary School, Hapso Middle School, Yangdeok Girls' Middle School, Masan Girls' High School, Changwon Daesan Middle School, Myungseo Middle School, Sangnam Middle School, Saenglim Middle School, Shinwol Middle School, Towol Middle School, and Changwon Namsan Middle School

(Others) - Milseong Elementary School, Mijui Elementary School, Taeryong Elementary School, Jinhae Gyeonghwa Elementary School, Dongbu Elementary School, Changnyung Elementary School, Gimhae Deokjung Elementary School, Bukseong Elementary School, Wuam Elementary School, Jangju Elementary School, Daedong Middle School, Shinoe Middle School, Gimhae Construction High School, Milyang Sangnam Middle School, Changnyung Daesung High School, Yangsan Elementary School, Mulgeum Elementary School, Goeje Janggyung Middle School, Haman Gaya Elementary School, Gimhae Oedong Elementary School, Jinju High School, Ulsan Byungyung Elementary School, Hakseong Middle School, and other schools.

(Gyeongbuk, Daegu) Chilgok Yakdong Elementary School, Yecheon Jibo Elementary School, Daegu Jincheon Elementary School, Jisan Middle School, Yeongju Daeyung Middle School, Ulsin Jukbyun Middle School, Gimcheon Seongui Middle School, and Cheongsong Girls' High School.

(Chungnam, Chungbuk) Danyang Dansan Middle & High School, and Cheongju Jungang Girls' High School

(Jeonlla-do) Jeonnam Okgwa Elementary School, Jungang Elementary School, Gangjindong Elementary School, Jangheung Yongsan Elementary School, Gwangju Yulgok Elementary School, and Jeonju Yongsu Elementary School.

(Gangwon-do) Gangneung Cheongdae Elementary School, Dongnae Elementary School, Donghae Namho Elementary School, Chuncheon Guembyung Elementary School, Hoban Elementary School, and Hoengsung Seongbuk Elementary School.

(Jeju) Seogipo Onseong School, Ara Elementary School, Donggwang Elementary School, Shinchon Elementary School, Saeseogui Elementary School, Jungmun Elementary School, Halla Elementary School, Dong Middle School, Seogipo Girls' High School, Jeju International School, and Jeju High School.

(Universities) Korea Polytech V University, Konkuk University, Gwangju Honam University, Busan University of Education, Busan Women's University, Gwangju Honam University, Gongju University, Inje University, Gyeongnam Information University, Chonnam National University Pharmaceutical School, Tongmyung Information University, Tongmyung University, Gyeongsang University, Andong University, Andong Science University, Yonsei University Rehabilitation School, and Kyonggi University Suwon Campus.

(Newly establish schools) Chojang 2 Elementary School, Goeje Aju 1 Elementary School, Gangseo 1 Elementary School, Changwon Beomeo 3 Elementary School, Miryang Miribeol Middle School, Goeje Sangdong Elementary School, Tongyeong Juklim 2 Elementary School, Gimhae Jinyeong Taekji 1 Elementary School, Changwon Hyundong Elementary School, and Changwon Mudong Elementary School.

Land bridges and roads

Land bridge near the Daeti Tunnel in Busan, Yangsan land bridge in Gwangju Buk-gu, land bridge in the vicinity of Daejin Gas Station in Bansong-dong, land bridge in front of Oyang Petroleum in Jaesong 1-dong, wooden land bridge of Eulsok Bridge, Daedae land bridge in Busan Saha-gu, land bridge in front of Bongrae Elementary School in Busan, land bridge in front of Seobu 1st Apartment, land bridge at Jangrim 3-way junction in Dadae-ro, 3 land bridges including the one in front of the Mandook 1 Tunnel, land bridge near Beokgok crossroad, land bridge at Busan Haeundae-gu Office, land bridge in the vicinity of Sasang Massong Bridge, (Jurye, Mora, Gamjeon) land bridge over a road in Gaya 2-dong, land bridge at the Renaissance Road in Busan Dong-gu, 2 land bridges including one near KEPCO in Masan, land bridge in front of Taegwang Enterprise in Busan, land bridge in Busan Jurye Railroad Village, land bridges in Jinsa-ro of Busanjin-gu, land bridges in Gaya-ro and Bosoo-ro of Busan, land bridge in front of the Gaya 1-dong MG Bank, land bridge in front of Busan Buam Elementary School, land bridge in front of Galgok Elementary School in Gangnam Village of Seoul, land bridges in front of Jin Market and Nammoon Market in Busan Dong-gu, entrance stairs of the underpass commercial street in Busan Seo-myeon, stairs at the Busan City Hall Metro Station, and various other places.

Deck facilities

Suncheonman Bay Ecological Park, Busan Mandeok-dong Park, Jeju Shill Hotel, Gayasan National Park, Pohang Hwanho Park, Suncheon Okcheon ecological streams, Daewangam Periphery Trail, Ssamji Cultural Space, Miryang Arirang-gil, Haeparang-eil, Yeongduk Blueroad, Eastern Coastal Area Trail, Songdo Songrim Park, Uiryeong-gun Hoguk Park, Shinocheon ecological streams, Eastern Coastal Area National Territory Lengthwise Crossing Bicycle Trail, Sancheong Traditional Medicine Resort, Keunmaul Reservoir Forest Park, Dongrae-gu Baekse Park, Igidae Waterside Park Trail, Pohang Flower Rock bicycle trail, Cheonjin Cultural Communication Trail, Ulsan Buk-gu Yangjeong Small Park, Ulsan Buk-gu Jaenggol Park, Seoul Jung-gu Muhakbong Park, Yongsan Neighborhood Park, Andong Lakeside Excursion Trail, road in front of Myungji Saedongne, Busan Dong-gu Itaegu Trail, Suncheon Bonghwasan Periphery Trail, Suyeong-gu Gwangsan 3-dong Sports Park, Haeundae Ggoldarae Park, Dobong-gu Baegungyo, Geunhwagyo, Gwangmyeong-si Dodeoksan Park, Seoul Jung-gu Da-dong Small Park, Chungnyung Children's Park, Muhakbong Neighboring Park, Busan Hwaryeong Hwaegong Park, Geumjeong-gu Oncheoncheon, Jeonnam Gwangyang Gubongsan Observatory, and various other places.

Public organizations, business facilities

Busan Suyeong-gu Office, Sasang-gu Office, Seo-gu Office, Ulsan Nam-gu Office, Daejeon Daedok-gu Office, Seoul Ceumcheon-gu Office, Changwon Seongsan-gu Office, Ulsan Buk-gu Office, Ulsan Jung-gu Office, Busan Jin-gu Office, Busan Jin-gu Assembly, Gyeonggi Namyangju City Hall, Uiryeong-gun Office, Gangbuk Educational Office, Gyeongbuk Sangju-gun Office, Goryung-gun Office, Gwacheon City Hall, Daego Education Research Information Institute, Jeonnam Educational Training Center, Jeonbuk Jeongeup Educational Office, Taean-gun Educational Office, Gangwon-do Educational Office, Changwon Facilities Corporation, Changwon Educational Office, Sasang General Social Welfare Hall, Welfare Hall for Visually Disabled, Busan Educational Research Information Institute, Gwacheon Fire Station, Haeundae Social Sports Center, Hanmaeum Sports Center, Suncheon Sports Facilities Management Office, Keumryunsan/Wando/Sancheok Youth Training Halls (Busan Gaya 2-dong, Geumsa-dong, Ulsan Dal-dong, Ulsan Yeompo-dong, Jeonnam Hyang-dong, Busan Mandeok 1-dong, Noksan Haengbok, Hwaryeong 1-dong), Community Service Centers (Daejeong Yuseong, Changnyong-gun, Suncheon, Busan Suyeong-gu, Yecheon-gun, Hapcheon-gun) Community Health Center, Jeonam Boseong Beolgyo, Suncheon, Icheon Hyoyang Library, Busan Miare Library, Raum Art Gallery, Sejong Cultural Center, Gimjae Cultural Arts Center, Gyeongnam Provincial Art Gallery, Yangsan Rehabilitation Center, Wolseong/Yeonggwang Nuclear Power Plants, Gwangyang Steel Meel Center, Yeosu Expo Site, Tongil Security Park, Yeongheung Thermal Power Plant, and various other places.

Housing and Neighboring Facilities

Incheon Ganseok Raemian Apartment, Gyeonggi-do Sejon Regencyvill, Daejeon Hanseung Mimade Apartment, Hwaseong Raemian Apartment, Seoul Samick Apartment, Busan Goejeong Jayu 2nd Lot Apartment, Yeonji Se-dong Hanshin Apartment, Masan Jung-ri LH Apartment, Oryukdo SK View Apartment, Bugok Gyeongnam Hanshin Apartment, Masan Jung-ri LH 1st Lot Apartment, Sacheon Yonghyung Humancia Apartment, Oncheon Hwanok Town Apartment, Songjeong Humancia Apartment, Incheon Juan Saegil Church, Gumi Nam Church, Hansaem Church, Lotter Department Store Gwangbok Branch, Jeju Shilla Hotel, Busan Paradise Hotel, Lotte Cinema, CGV Cinema, Busan Gyeongnam Horseracing Park, Seoul Cheonggye 6th Street Basement Commercial Arcade, Cheonan Sangrok Resort, Gumi LG Display Factory, Factories in the Hoe-dong Urban Industrial Zone, and various other places.



Our products are used in various areas, such as enterprises, public organizations, traffic facilities, educational facilities, and many more.

Method of repairing deteriorated nonslips

Selected as the optimum method of repairing and maintenance of building facilities of rented houses by LH Corporation
Pilot installation at the Haan LH Apartment at Gwangmyeong, Gyeonggi - July 2011



한국토지주택공사

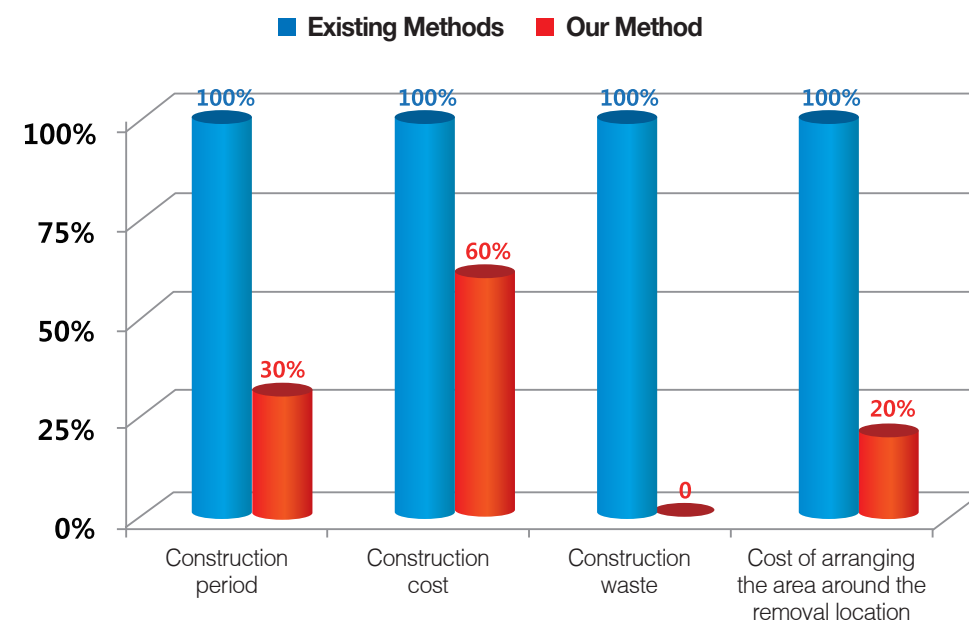
LH Korea Land & Housing Corporation

Overview of Engineering Method

It is a method of installing nonslips on the existing nonslips without removing them. Separate additional processes are required. However, if the existing PVC pad surfaces are not even because of deterioration, swelling, or deformation, it may be inevitable to arrange the surfaces evenly with a power plane or a power sander before installing our non-slips for repairing.

Features of Engineering Method

- Reduced construction period
- Pedestrians may walk on the products immediately after installation
- Reduced cost
- No construction waste
- Reduced damages to stair surfaces
- Made of flame-retardant material, and free of toxic gases
- Variety of products
 - Luminescent nonslip having a guiding function in case of fire or blackout
 - Fluorescent nonslip that has excellent visibility of stairs
 - Art nonslip that has excellent antiwear properties
 - These products can be installed selectively depending on installation locations.

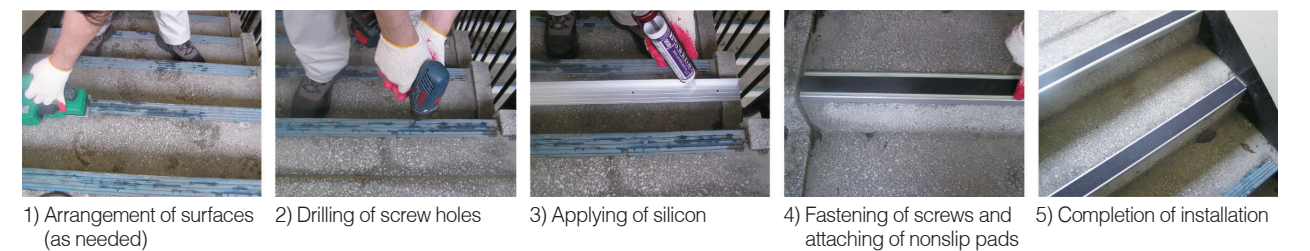


Comparison between Installation Sequences

Existing Methods

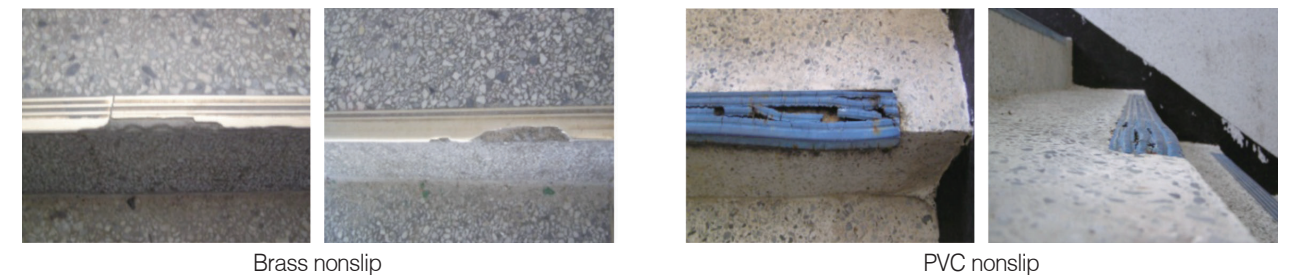


Our Method



Photos before and after Installation

Deteriorated nonslips



Before and after Installation

