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YAPI KİMYASALLARI Construction | Chemicals

Builds Chemical Comfort

PROCRETE®

High Performance Flooring

Polyurethane Concrete Flooring

www.foxbau.com

PROCRETE®

HIGH PERFORMANCE FLOORING

Producing specific solutions to investors from various sectors according to their demands in flooring, in their production processes, PROCRETE® high performance flooring systems, develop hygienic and protective flooring on the floors that are exposed to heavy traffic, chemical and thermal shocks, thnks to its polyurethane concerete based formula.

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FLOORS FOR YOUR SPECIAL NEEDS

PROCRETE®, introduces high performance flooring systems in different production and storage areas according tospecial management purposes thanks to its specially formulated polyurethane concerete based formula.

PROCRETE® high performance flooring systems are preferred by the construction professionals all around the globe due to its special formula, hygienic composition, high mechanic and chemical resistance, low maintenance cost rather than other conventional systems.

For any consultation please contact our **FOX Bau** Construction Chemicals specialists.

Customer Support Service
+90532 1111 fox 369

GENERAL SYSTEM PROPERTIES

HEAT RESISTANCE
It will protect its form against continious thermal shocks, under fluid and steam effects that are raging from – 40 C to +130 C.

ABRASION RESISTANCE
PROCRETE® provides at most floor abrasion resistance on the floors that are exposed to plastic or metal wheeled vehicle traffic and heavy static and dyanmic charge.

BROAD APPLICATION
PROCRETE® restrains harmful chemicals contacting the concrete structure and contaminating the soil by minimizing the joint and due to its broad application.

SAFETY AND SLIPLESS PROPERTY
Sliplessness can be obtained even on wet or oil spilled floors. Systems can be formed depending to environment properties for different slip effects, levels and angles.

IMPACT RESISTANCE
PROCRETE® is resilient to cracking, scratching and shattering under heavy object crashes and impacts.

CHEMICAL RESISTANCE
PROCRETE® is highly stable against a wide chemical substance spectrum varying from concentrated inorganic and organic acids to alkalines and solvents.

COMPLIANCE WITH STANDARDS
PROCRETE® high performance flooring systems can be used safely in food and medicine industries according to American and European standards.

CLEANING AND HYGIENE
PROCRETE® will prevent the establishment of environments that arre suitable for bacteries and fungus, thanks to its chemical and monolitic structure. Therefore, it can be used safely in food and medicine industries where hygiene standards are high.

LOW MAINTENANCE COSTS
PROCRETE® is resistant to cleaning methods frequently used in the industry like, pressure and/or hot water washing steam sterilization and CIP systems, thanks to its high resistance due to non permeable and chemical structure.

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PROCERETE® PRODUCTS

PROCRETE® PRIMER

PROCRETE® PRIMER is a solventless three component primer set, specially designed for industrial industrial flooring after modificating polyurethane based gums with special dopants and chemicals.

PROCRETE® MF

PROCRETE® MF is an industrial flooring product, which is derived by modificating polyurethane based gums with special dopants and chemicals, composed with three component gum and special fillers, resistant to thermal shocks and solvents.

PROCRETE® MC

PROCRETE® MC is an industrial flooring product, which is derived by modificating polyurethane based gums with special dopants and chemicals, composed with three component gum with special fillers, for textured-slipless rough surfaces. It is resilient to thermal shocks and solvents.

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PROCRETE® HF

PROCRETE® HF is an industrial flooring product, which is derived by modificating polyurethane based gums with special dopants and chemicals, composed with three component gums and special fillers, slipless surfaced, excellent chemical, thermal shock and solvent resistant.

PROCRETE® TOPCOAT

PROCRETE® TOPCOAT is a surface protection product, which is derived by modificating polyurethane based gums with special dopants and chemicals, two componented, designed to be used in wet and dry environments, excellent chemical, thermal shock and solvent resistant.

COLORS

Red

Yellow

Cyan

Orange

Green

Grey

Cream

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PROCRETE® SYSTEM TABLE

System Definition	System Types	Primer	Basecoat	Primer	Mid Coat	Mid Coat	Basecoat	Topping	Thickness
PROCRETE® 8510 MC	High Performance Slipless Thin Flooring	Procrete® Primer 0,30 kg/m²			Procrete® MC 0,70 kg/m²			Procrete® MC 0,50 kg/m²	~1 mm
PROCRETE® 8531 MC	High Performance Slipless Flooring	Procrete® Primer 0,30 kg/m²			Procrete® MC 0,80 kg/m²		0,2-0,5 mm Quartz Sand 0,7-1,2 mm Quartz Sand 5,00 kg/m²	Procrete® MC 1,00 kg/m²	~3,5 mm
PROCRETE® 8240 MF	High Performance Self Levelling Flooring	Procrete® Primer 0,30 kg/m²						Procrete® MF 7,00 kg/m²	~4 mm
PROCRETE® 8251 MF	High Performance On-Ceramic Self Levelling Flooring	Epothane® Primer WA 0,30 kg/m² 60-70 AFS Quartz Sand 0,30 kg/m²	0,2-0,5 mm Quartz Sand 2,50 kg/m²	Procrete® Primer 0,30 kg/m²				Procrete® MF 7,00 kg/m²	~5,5 mm
PROCRETE® 8571 MC	High Performance Extra Slipless Flooring	Procrete® Primer 0,30 kg/m²			Procrete® MF 7,00 kg/m²		0,2-0,5 mm Quartz Sand 0,7-1,2 mm Quartz Sand 6,00 kg/m²	Procrete® MC 1,00 kg/m²	~7,5 mm
PROCRETE® 8690 HF	High Performance Mortar Flooring	Procrete® Primer 0,30 kg/m²						Procrete® HF 18,00 kg/m²	~9 mm
PROCRETE® 85121 MC	High Performance Extra Slipless Mortar Flooring	Procrete® Primer 0,30 kg/m²			Procrete® HF 18,00 kg/m²	Procrete® MC 0,80 kg/m²	0,2-0,5 mm Quartz Sand 0,7-1,2 mm Quartz Sand 5,00 kg/m²	Procrete® MC 1,00 kg/m²	~12 mm

1- Filler amount may differ according to consumpted product.

2- In **PROCRETE® 8531 MC, PROCRETE®8571 MC, PROCRETE® 85121 MC** systems, two different slipless surface may be derived according to filler used.

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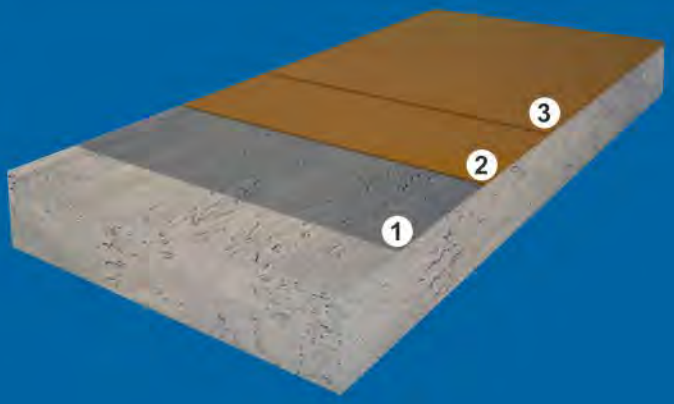
PROCRETE® SYSTEM SOLUTIONS

PROCRETE® 8510 MC

High Performance Slipless Thin Flooring Systems;

Is a polyurethane concrete flooring system, which is derived by modificating polyurethane based gums with special dopants and chemicals, slipless surfaced, designed to be used in wet and dry environments, and has excellent chemical and solvent resistance.

- Thickness is ~ 1mm
- In compliance with hygiene standards
- High chemical and mechanic resistance



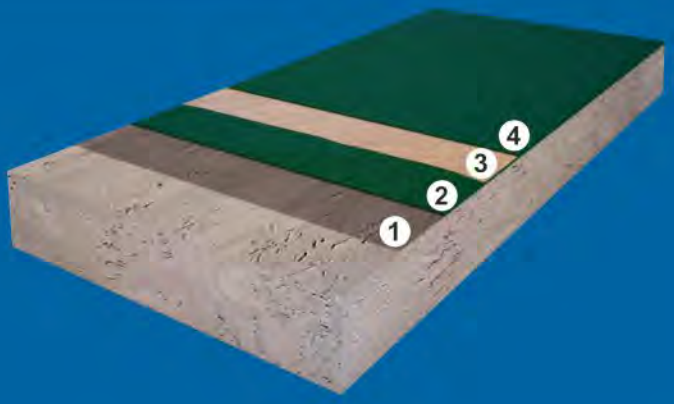
	Steps	Used Product	Amount
1	Primer	PROCRETE® PRIMER	0,30 kg/m²
2	Mid Coat	PROCRETE® MC	0,70 kg/m²
3	Topping	PROCRETE® MC	0,50 kg/m²

PROCRETE® 8531 MC

High Performance Slipless Flooring System;

is a slipless /extra slipless polyurethane concrete flooring system, which is derived by modificating polyurethane based gums with special dopants and chemicals, designed to be used in wet and dry environment with excellent chemical and solvent resistance.

- Thickness is ~ 3,5 mm
- In compliance with hygiene standards
- Chemical and mechanic resistance
- Prioritise safety with slip resistance



	Steps	Used Product	Amount
1	Primer	PROCRETE® PRIMER	0,30 kg/m²
2	Mid Coat	PROCRETE® MC	0,80 kg/m²
3	Basecoat	40-45 AFS Quartz Sand 15-25 AFS Quartz Sand	5,00 kg/m²
4	Topping	PROCRETE® MC	1,00 kg/m²

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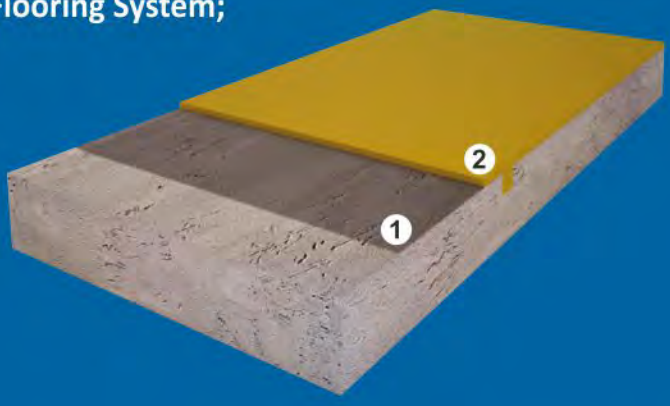
PROCRETE® 8240 MF

High Performance Smooth Floor Substrate Surfacem Flooring System;

Is a smooth floor substrate surface, self levelling polyurethane concrete flooring system, which is derived by modificating the polyurethane based gums with special dopants and chemicals, wtih excellent chemical and solvent resistance.



- Thickness is ~ 4,0 mm
- In compliance with hygiene standards
- High resistance to thermal shocks and solvents
- Ideal for smooth floors

	Steps	Used Product	Amount
1	Primer	PROCRETE® PRIMER	0,30 kg/m²
2	Topping	PROCRETE® MF	7,00 kg/m²

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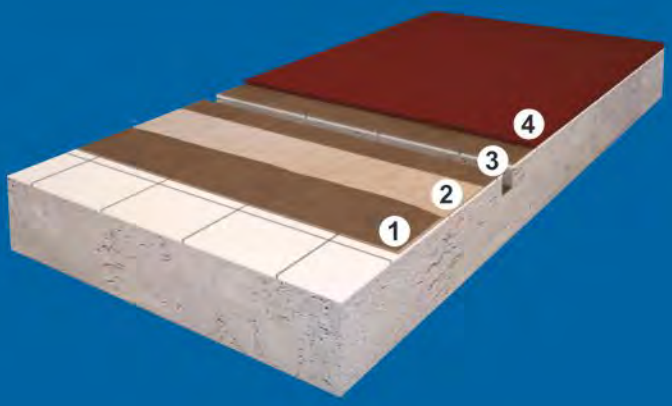
PROCRETE® 8251 MF

High Performance Antiacid on-ceramic Smooth Floor Substrate Flooring System;

Is a smooth floor substrate self levelling polyurethane concrete flooring system, which is derived by modificating the polyurethane base dgums with special dopants and chemicals, with excellent chemical and solvent resistance. It is an antiacid product which is applied on ceramic.



- Thickness is ~ 5,5 mm
- In compliance with hygiene standards
- High resistance to thermal shocks and solvents
- Ideal for slipless floors

	Steps	Used Product	Amount
1	Primer	FOX EPOTHANE® PRIMER WA 60/70 AFS Quartz Sand	0,30 kg/m² 0,30 kg/m²
2	Basecoat	40/45 AFS Quartz Sand	2,50 kg/m²
3	Primer	PROCRETE® PRIMER	0,30 kg/m²
4	Topping	PROCRETE® MF	7,00 kg/m²

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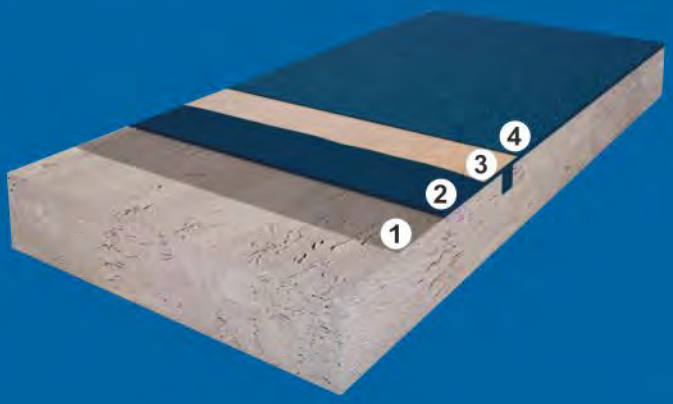
PROCRETE® 8571 MC

High Performance Slipless Flooring System;

Is a slipless/extra slipless polyurethane concrete flooring system, which is derived by modificating the polyurethane based gums with special dopnats and chemicals, designed to be used in wet and dry conditions, with excellent chemical and solvent resistance.



- Thickness is ~ 7,5 mm
- In compliance with hygiene standards
- High resistance to thermal shocks and solvents
- Ideal for slipless floors

	Steps	Used Product	Amount
1	Primer	PROCRETE® PRIMER	0,30 kg/m²
2	Mid Coat	PROCRETE® MF	7,00 kg/m²
3	Basecoat	40-45 AFS Quartz Sand 15-25 AFS Quartz Sand	6,00 kg/m²
4	Topping	PROCRETE® MC	1,00 kg/m²

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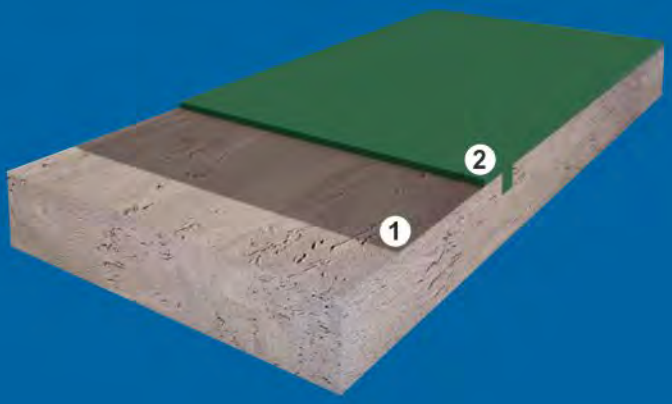
PROCRETE® 8690 HF

High Performance Pressure Resistant Mortar Flooring System;

Is a polyurethane concrete flooring system, which can be applied under heavy dynamic loads. It is derşved by modificating ployurethane based gums with special dopants and chemicals, which can be used in wet and dry enivronments. It is highly resistant to pressure, and also chemicals and solvents.



- Thickness is ~ 9 mm
- In compliance with impacts and abrasion
- High resistance to thermal shocks and solvents
- Long life span with regards to sustainability

	Steps	Used Product	Amount
1	Primer	PROCRETE® PRIMER	0.30 kg/m²
2	Topping	PROCRETE® HF	18,00 kg/m²

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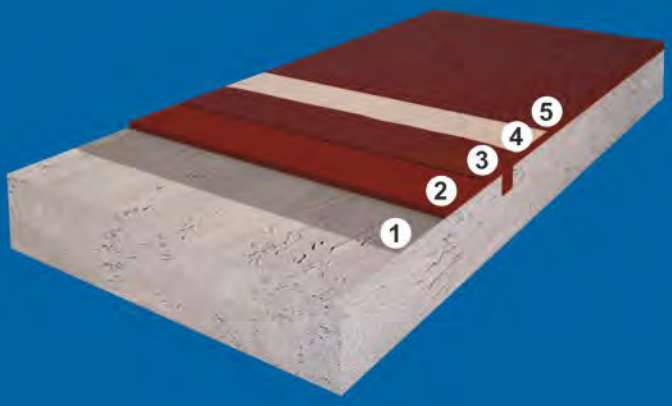
PROCRETE® 85121 MC

High Performance Pressure Resistant Slipless Mortar Flooring System;

Is a slipless/extra slipless polyurethane concrete flooring system, which can be applied under heavy dynamic loads. It is derived by modificating polyuretahne based gums with special dopants and chemicals, that can be used in wet and dry environment conditions. It is highly resistant to pressure and also chemicals and solvents.



- Thickness is ~ 12 mm
- Produce slipless floors
- High resistance to thermal shocks and solvents
- Resistant to impacts and abrasion

	Steps	Used Product	Amount
1	Primer	PROCRETE® PRIMER	0,30 kg/m²
2	Mid Coat	PROCRETE® HF	18,00 kg/m²
3	Mid Coat	PROCRETE® MC	0,80 kg/m²
4	Basecoat	40-45 AFS Quartz Sand 15-25 AFS Quartz Sand	5,00 kg/m²
5	Topping	PROCRETE® MC	1,00 kg/m²

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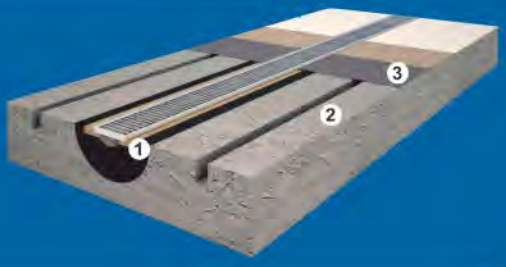
PROCRETE® DETAIL SOLUTIONS

CORNER DETAIL SOLUTION

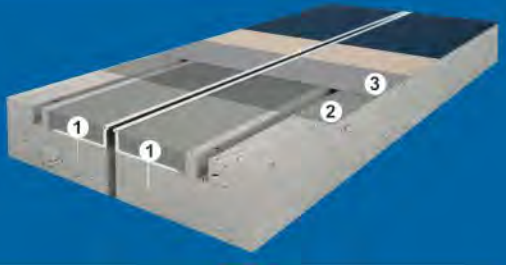
	Steps	Used Product
1	Primer	PROCRETE® PRIMER
2	Corner Bevelling	EPOTHANE® PRIMER + 0,7-1,2mm SILICA SAND
3	Topping	PROCRETE® SYSTEM

DRAINER DETAIL SOLUTION



	Steps	Used Product
1	Grout	FOX GROUT FC155
2	Primer	PROCRETE® PRIMER
3	Topping	PROCRETE® SYSTEM

DILATATION DETAIL SOLUTION



	Steps	Used Product
1	Grout	FOX GROUT FC155
2	Primer	PROCRETE® PRIMER
3	Topping	PROCRETE® SYSTEM

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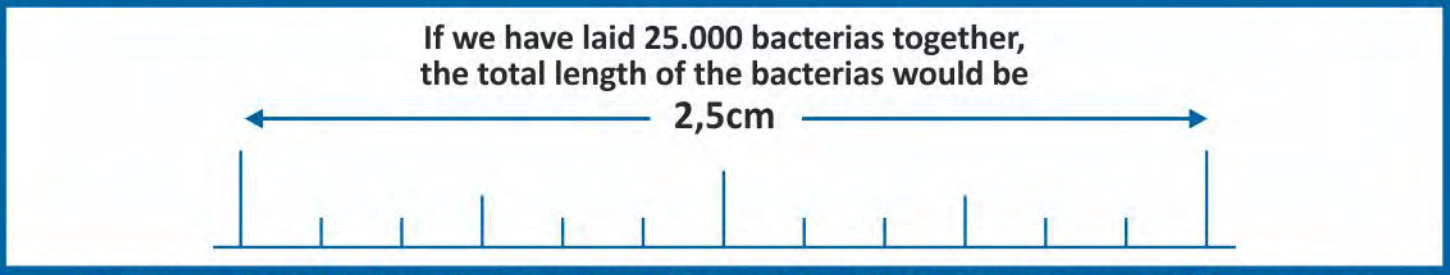
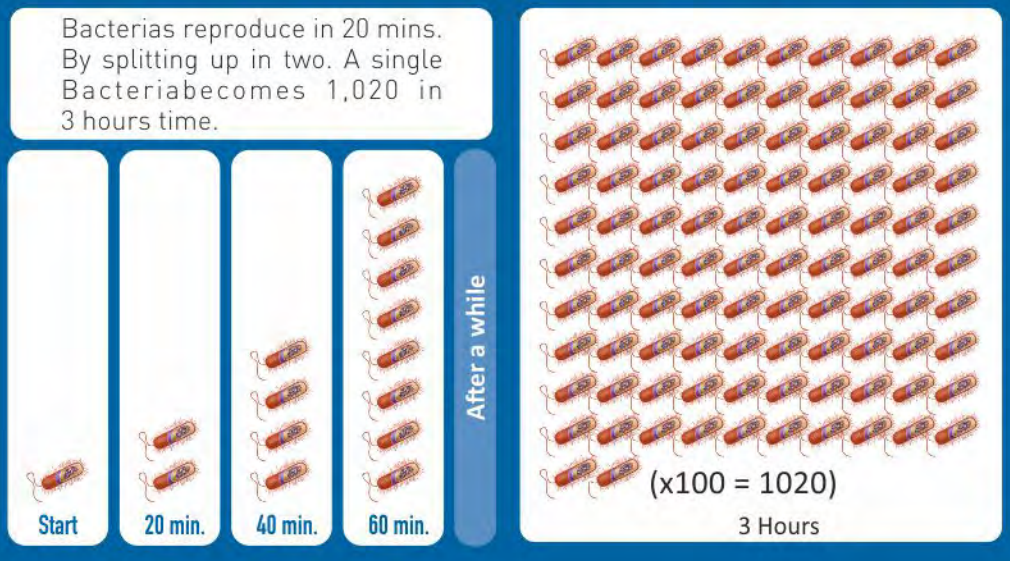
PROCRETE® & HYGIENE

The existence and expansion of single cell organisms like bacterias, which can effect human health by contamination, are the primary unwanted situation by the food and medicine industries. **PROCRETE®,** with its chemicl and monolitic structure, prevent these bacterias anf funguses and due to its easy-to-clean property, provides hygienic environments.



Bacterias are single celled organisms, which are feding around nutritions in order to reproduce. There are some sort of pathogenic bacterium that are harmful to human health which can pass on to human body via contaminated food.



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MOST VULNERABLE FOODS TO BACTERIAL GROWTH:

MEAT | POULTRY | EGG AND FOODS PREPARED WITH RAW EGG | UNPROCESSED CRUSTACEANS | SEAFOOD | CHEESE MADE FROM UNPASTORIZED MILK

16% OF FOOD BASED ILLNESSES OCCUR IN THE CONTINIOUS OPERAING SYSTEMS

GENERAL TYPES OF BACTERIAS CONTAMINATING WITH FOOD

- ✓ E-COLI BACTERIA,
- ✓ MRSA BACTERIA,
- ✓ STAPHYLOCOCCUS AUREUS BACTERIA,
- ✓ PROTEUS VULGARIS BACTERIA,
- ✓ LISTERIA BACTERIA,
- ✓ SALMONELLA TYPHI BACTERIA,
- ✓ PSEUDOMONAS AERUGINOSA BACTERIA,
- ✓ STREPTOCOCCUS PYOGENES BACTERIA,
- ✓ ENTEROCOCCUS FAECALIS BACTERIA,
- ✓ SARS CORONAVIRUS.

(x11.000 = 550.000)

(x220 = 2.200)

E.COLI, EACH YEAR CAUSES 550,000 INCIDENTS DEPENDING ON FOOD POISIONING AND 2,200 OF THESE RESULTS WITH DEATH

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CHEMICAL RESISTANCE TABLE

Industrial floors are exposed to various chemicals geneticly in daily operations. We can simply give examples to these genetical chemicals like citric acid, acetic acid, caustic acid,etc. While these chemicals cause deformations and unpleasing stains on the floors, PROCRETE®, high performance flooring systems, with its excellent chemical resistance protects its form and condition in such instances in daily routines. Against these aggressive chemicals combining with the heat, conventional systems cannot with stand the hazards and cannot pevent the chemicals reaching the concrete floor in daily production routine. PROCRETE® high performance flooring systems stands alone from others due to its strong resistance to various chemicals. The table below shows the resistance and handle against the vast majority of chemicals;

CHEMICAL	CONCENTRATION %	TEMPERATURE °C	PROCRETE® ALL CLASS
ACETALDEHYDE	99	20	+
ACETIC ACID	40	20	+
ACETON	99	20	+-
AMONIUM HYDROXIDE	28	20	+
BEER	—	20	+
BENZENE	99	20	+-
BENZOIC ACID	99	20	+
SODIUM SULPHATE	30	20	+
BUTANOL	99	20	+
CALCIUM CHLORID	50	20	+
CAPROLACTAM	99	20	+
CARBON DISULPHIDE	99	20	+-
CARBON TETRACHLORIDE	99	20	+-
CHOLORACETIC ACID	99	20	+
CHOLOROFORM	99	20	+-
CHROMIC ACID	30	20	+
CITRIC ACID	60	20	+

(+) Recommend to be used. (+-) Used under certain circumstances. Can change color, should be cleaned in an hour. (-) usage not recommended.
With the effect of the chemicals color change may occur. This search was run in room temperature. High temperatures and/or chemical mixtures may effect the resistance.

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Kimyasal	Konsantrasyon %	Sıcaklık °C	PROCRETE® Tüm Sınıflarda
CRUDE OIL	—	20	+
CYCLOHEXANE	99	20	+
DECANOIC ACID	99	60	+
ISOPROPANOL	99	20	+
LACTIC ACID	85	60	+
MALEIC ACID	30	20	+
MALEIC ANHYRIDE	99	20	+
METHANOL	99	20	+
MILK	—	20	+
MINERAL OILS	—	20	+
ENGINE GREASE	—	20	+
GASOLINE	—	20	+
NITRIC ACID	30	20	+
OLEIC ACID	99	80	+
OLEUM	—	20	+-
PARAFFIN	—	20	+-
PHENOL	5	20	+-
PHOSPHORIC ACID	85	20	+
PICRIC ACID	50	20	+
PROPYLENE GLYCOL	99	20	+
POTASSIUM HYDROXIDE	50	20	+
SODIUM HYDROXIDE	20	20	+
N,N-DIMETHYLACETAMIDE	99	20	-
SULPHURIC ACID	99	20	-
HYDROCLORIC ACID	99	20	+-
PHOSPHORIC ACID	40	20	+
SODIUM SULPHATE	99	20	+

(+) Recommend to be used. (+-) Used under certain circumstances. Can change color, should be cleaned in an hour. (-) usage not recommended.
With the effect of the chemicals color change may occur. This search was run in room temperature. High temperatures and/or chemical mixtures may effect the resistance.

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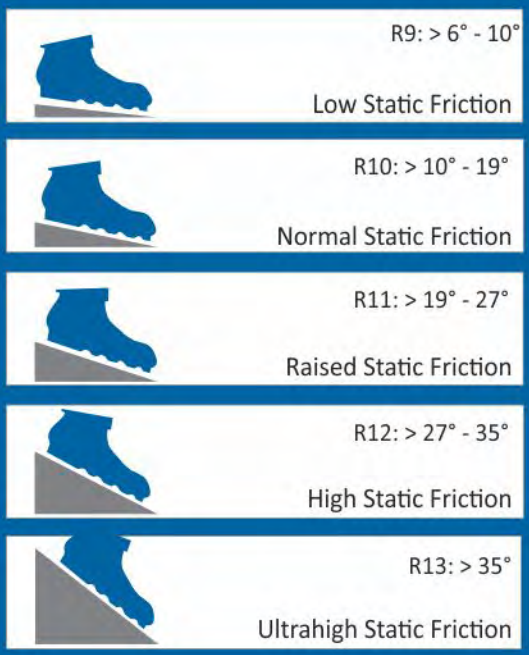
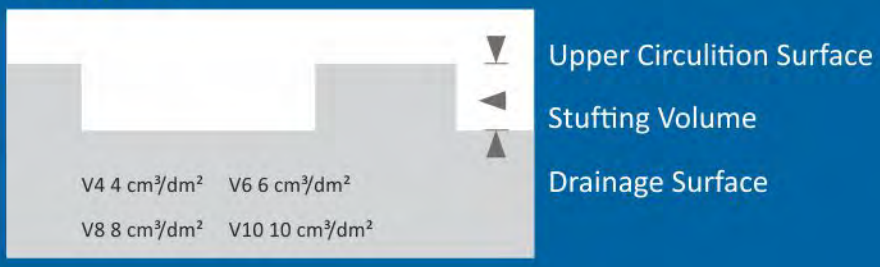
SLIPPING CLASSIFICATION IN INDUSTRLAL AREAS AND STUFFING VOLUME



Stufting Volume

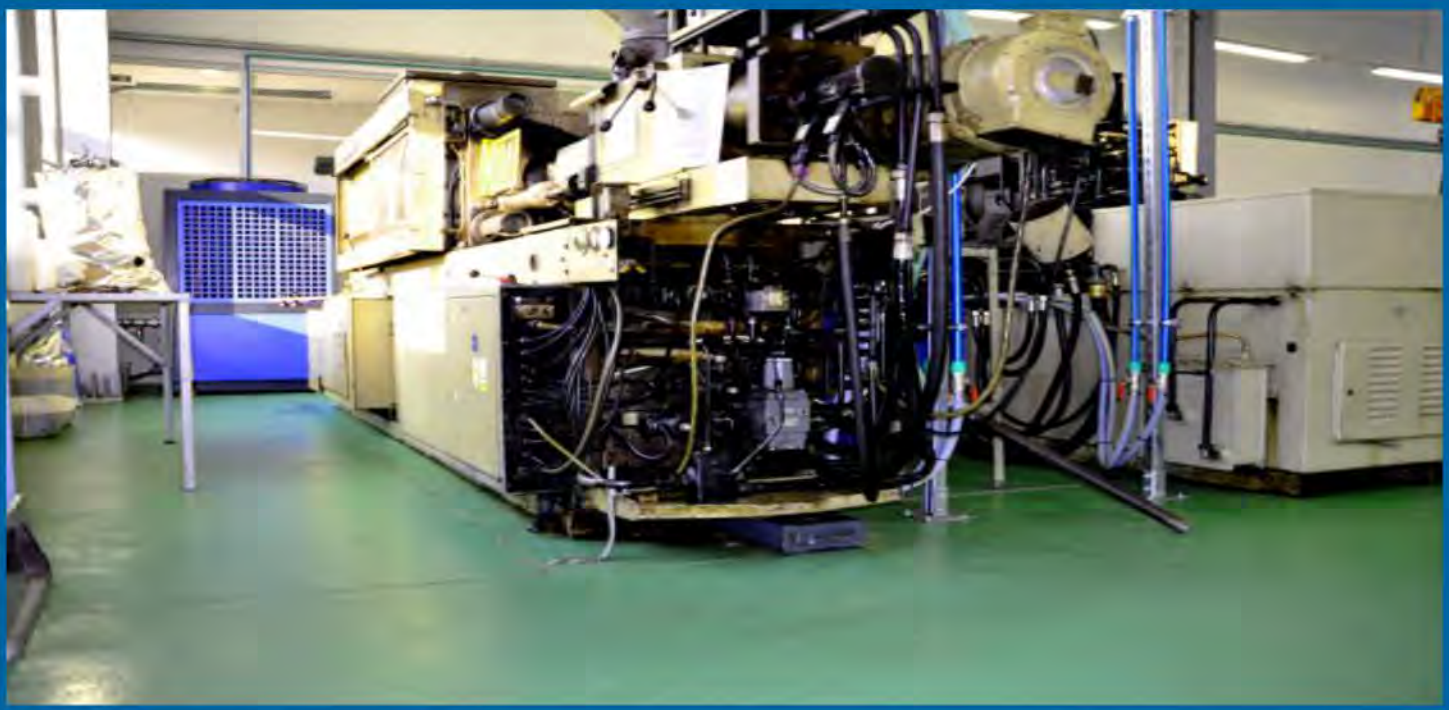


SLIPPING CLASSIFICATION IN INDUSTRIAL AREAS

No	Production Area Walkways	Slipping Class R Groups	Minimum Stuffing Volume
0	General offices		
0.1	Entrance (ınside)	R 9	
0.2	Entrance (outside)	R 11 - R 10	V 4
0.3	Staircases (ınside)	R 9	
0.4	Staircases (outside)	R 11 - R 10	V 4
0.5	Bathroom, showers, break rooms (ex. guest rooms, caanteen) infirmaries	R10 R 9	
1	Margarin, edible fluid or solid oil production		
1.1	Rendering	R 13	V 6
1.2	Cook oil refining	R 13	V 4
1.3	Margarin Production and packaging	R 12	
1.4	Cook oil production, packaging, bottling	R 12	
2	Milk process, cheese production		
2.1	Fresh milk processing and butter production	R 12	
2.2	Cheese production, storing and packaging	R 11	
2.3	Icecream production	R 12	
3	Chocolate production		
3.1	Chocolate and candy production	R 12	
3.2	Candy processing	R 12	
3.3	Cacao production	R 11	
3.4	Raw mixture production	R 11	
4	Cake, pastry and bread production (bakeries, pastories and shelf stable product production)		
4.1	Roll out dough	R 11	
4.2	Greasy and fluid production areas	R 12	
4.3	Dish washing areas	R 12	V 4
5	Meat processing, slaughterhouses (abattoirs)		
5.1	Slaughter area	R 13	V 10
5.2	Offal cleaning area	R 13	V 10
5.3	Meat Splitting	R 13	V 8
5.4	Sausage, salami and soujouk drying rooms	R 13	V 8
5.5	Boiling section	R 13	V 8
5.6	Raw production section	R 13	V 6
5.7	Sausage, salami and soujouk drying rooms	R 12	
5.8	Gut depot	R 12	
5.9	Salting and dressing rooms	R 12	
5.10	Poultry processing	R 12	V 6
5.11	Cold slaughter and packaging	R 12	

No	Production Area Walkways	Slipping Class R Groups	Minimum Stuffing Volume
5.12	Hand crafting and sales	R 12	V 8
6	Fish processing and snack production		
6.1	Fish processing	R 13	V 10
6.2	Snack production	R 13	V 6
6.3	Mayonnaise	R 13	V 4
7	Vegetable processing		
7.1	Saurjrout production	R 13	V 6
7.2	Canned goods production	R 13	V 6
7.3	Sterilization rooms	R 11	
7.4	Preparation for production	R 12	V 4
8	Wet floors in food and beverage production (If not specially indicated)		
8.1	Cellars, vaults	R 10	
8.2	Soft drink bottling and fruit juice production	R 11	
9	Kitchens and cooking places		
9.1	Restaurant, hotel kitchens		
9.1.1	Till 100 dish/day	R 11	V 4
9.1.2	Over 100 dish/day	R 12	V 4
9.2	Kitchens serving for homes, kindergartens, sanatoriums	R 11	
9.3	Hopital and clinic kitchens	R 12	
9.4	Kitchens serving for universities and factories	R 12	V 4
9.5	Dish preparation	R 12	V 4
9.6	Defreezing kitchens	R10	
9.7	Hot drink preparation kitchens, garniture kitchens, dorm kitchens	R10	
9.8.1	Sculleries for clauses 9.1, 9.4, 9.5	R 12	
9.8.2	Sculleries for clause 9.2	R 11	V 4
9.8.3	Sculleries for clause 9.3	R 12	
9.8.3	Bathing cubicle 9.3	R 12	
9.9	Dining rooms, guewst dinig rooms, rooms with service counter	R 9	
10	Cold storage depot and freezing depots		
10.1	For unpacked food	R 12	
10.2	For packed food	R 11	
11	Sales offices, magazines		
11.1	Meat receiving		
11.1.1	For unpacked food	R 11	
11.1.2	For packed food	R 10	
11.2	Fish receiving	R 11	
11.3	Sausage, salami, soujouk and meat service passage		

No	Production Area Walkways	Slipping Class R Groups	Minimum Stuffing Volume
11.3.1	For unpacked stuff	R 11	
11.3.2	For packed stuff	R 10	
11.4	Service passage for unpacked bakery products	R 10	
11.5	Service passage for packed bakery products	R 10	
11.6	Fish service		
11.6.1	For unpacked stuff	R 12	
11.6.2	For packed stuff	R 11	
11.7	Service passages excluding from 11.3, to 11.6	R 9	
11.8	Meat preparation rooms		V 8
11.8.1	Meat processing excluding No.5 (correction)	R 12	
11.8.2	Meat processing No.5 (processing)	R 11	
11.9	Bouquet rooms	R 11	
11.10	Sales areas with fixed furnace		
11.10.1	Preparations of bakery products	R 11	
11.10.2	Processing of formerly prepared bakery products	R 10	
11.11	Sales areas with deep frier and grill fixed	R 12	V 4
11.12	Sales areas and customer acceptance	R 9	
11.13	Food production section in self service placesz	R 10	
11.14	Case and packaging sections	R 9	
11.15	Sales areas in open air	R 11 - R10	V 4



No	Production Area Walkways	Slipping Class R Groups	Minimum Stuffing Volume
12	Health units		
12.1	Disinfection rooms (wet)	R 11	
12.2	Pe-cleaning area for sterilization	R10	
12.3	Waste rooms, unclean nursing services	R 10	
12.4	Section intervals	R 10	
12.5	Medical baths, hydrotheraphy units	R 11	
12.6	Showers for surgery rooms and plaster areas	R 10	
12.7	Restrooms, dorm bathrooms	R 10	
12.8	Massage rooms, diagnosis and theraphy rooms	R 9	
12.9	Surgery rooms	R 9	
12.10	Clinics with patient rooms and hallways	R 9	
12.11	Clinics and community clinics	R 9	
12.12	Pharmacies	R 9	
12.13	Labs	R 9	
12.14	Coiffuers	R 9	
13	Laundries		
13.1	Washing machine with centrifugal	R 9	
13.2	Washing rooms with extreme wet conditions	R 11	
13.3	Ironing and mangle machine rooms	R 9	
14	Concentrated animal feed production		
14.1	Dried feed production	R 11	
14.2	Feed dried with oil and water	R 11	V 4
15	Leather production		
15.1	Wet areas in tanyard	R 13	
15.2	Roomswith skinning machines	R 13	V 10
15.3	Rooms where skin parts are collected	R 13	V 10
15.4	Rooms where skins are impregnated	R 12	
15.5	Areas withpaint mill for textile	R 11	
16	Polishing studios		
16.1	Wet grind studios	R 12	V 10
17	Ceramic industry		
17.1	Wet mills (preparation of ceramic raw material)	R 11	
17.2	Mixers, areas where tar, graphit and synthethic used	R 11	V 6
17.3	Shaping presses, areas where tar, graphit and synthethic used	R 11	V 6
17.4	Foundries	R 12	
17.5	Enameling	R 12	

No	Production Area Walkways	Slipping Class R Groups	Minimum Stuffing Volume
18	Glass and stone process		
18.1	Stone cutting and grinding areas	R 11	
18.2	All kind of glass shaping	R 11	
18.3	Grinding places	R 11	
18.4	Places where desiccants processed for insulation glass production	R 11	V 6
18.5	Places where float glass is packed and stored, places where Antiadhesive storage	R 11	V 6
18.6	Acid etching	R 11	
19	Precast concrete factories		
19.1	Concrete washing areas	R 11	
20	Stock field		
20.1	Stock field for liquid and solid oils	R 12	V 6
20.2	Stock fields for unpacked food	R 10	
20.3	Open air stock fields	R 11 - R 10	V 4
21	Chemical and thermal processing of iron and metal		
21.1	Acid cleaning	R 12	
21.2	Tempering process	R 12	
21.3	Labs	R 11	
22	Metal processing, metal studios		
22.1	Galvanization studios	R 12	

No	Production Area Walkways	Slipping Class R Groups	Minimum Stuffing Volume
22.3	Mechanic process (lathe,press places), wire pipe drawing area, Risky areas because of oil	R 11	V 4
22.4	Part cleaning area, rooms with steam output	R 12	
23	Car maintenance areas		
23.1	Maintenance and service area	R 11	
23.2	Office and control area	R 12	V 4
23.3	Car washing places	R 11	V 4
24	Aircraft maintenance studios		
24.1	Aircraft hangers	R 11	
24.2	Aircraft maintenance and repair hangers	R 12	
24.3	Aircraft washing places	R 11	V 4
25	Domestic waste processing stations		
25.1	Pomp rooms	R 12	
25.2	Drainage for liquid wastes	R 12	
25.3	Elimination rooms	R 12	
25.4	Standing places and waiting rooms	R 12	
26	Fire department buildings		
26.1	Car parking lot	R 12	
26.2	Hose maintenance studio	R 12	
27	Financial managements		
27.1	Counter front	R 9	
28	Parking lots		
28.1	Garages, undergorund and overgrand (where weather changes do not effect)	R 10	
28.2	Garages, undergorund and overgrand (where weather changes effect)	R 11 - R 10	V 4
28.3	Open air parking lots	R 11 - R 10	V 4
29	Schools and kindergartens		
29.1	Entrance,hallways,meeting rooms	R 9	
29.2	Classes,group rooms	R 9	
29.3	Staircases	R 9	
29.4	Restrooms and showers	R 10	
29.5	Educational kitchens in schools	R 10	
29.6	Kitchens in kindergartens	R 10	
29.7	Rooms with wood processing machines	R 10	
29.8	Special roomsfor handcrafts	R 10	
29.9	Break areas	R 11 - R 10	V 4
30	Open air management walkways		
30.1	Walkways	R 11 - R 10	V 4
30.2	Loading ramps (covered top or open top)	R11-R10-R12	V 4

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