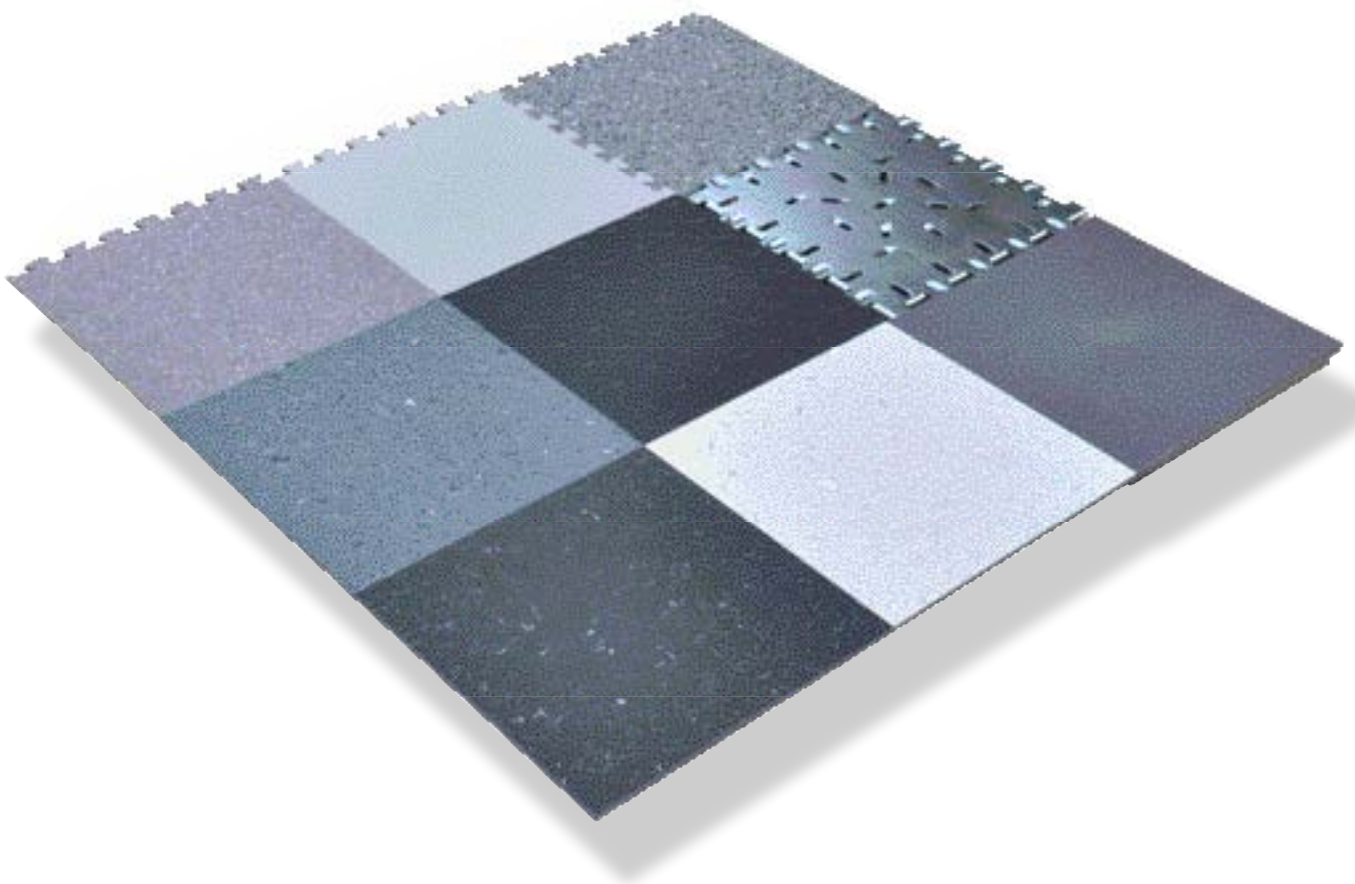




# **SILA Industrial Floors**

– the solution for you!





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# Lose/verklebte Industrieböden von SILA floorline

Welcome to Germany's No. 1 for industrial flooring  
refurbishment without stopping operations!

There are at least 9 good reasons to talk to us:



- Your business keeps running: No clearing out, no development of dust during the laying. It is immediately highly durable!

- Loose laying: Rapid and secure without laborious preliminary work on the sub-floor: no shot-peening, no freeing from oil, ...



- Convenience: Easy on your joints, keeps your feet warm, sound insulating.

- Industrial safety: Non-slip floor due to a special surface, prevents industrial accidents. Shock-absorbing for tools and manufacturing parts. Hardly inflammable.



- Economic efficiency: Extremely durable, resistant to oils and chemicals, low wear and tear. Easy to maintain.

- Repair: Damage to certain areas are quickly repaired by being exchanged, even when the business continues to run.



- Flexibility: The covering can subsequently be modified, removed or inserted in other premises without difficulty.

- Environment: Recyclable.

- Financing: Purchase or leasing.



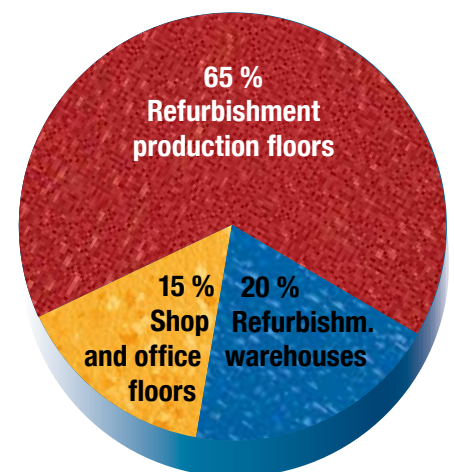
**Describe your problem to us.  
We will jointly find the best solution  
for you!**

## Who uses SILA industrial flooring?

Large and medium-sized industries and the manufacturing sector, retailers, consumer markets, architects and builders as well as public services benefit from the advantages of the SILA product range.

Our core business - at 65% - consists of the refurbishment of production and warehouse floors.

The remaining 35% relates to shopfitting, which uses the decoratively coloured or structured floor coverings for promotional design.



## Our satisfied customers (extract):

BMW, Faber-Castell, Fressnapf Kette,  
Lufthansa, Sport Voswinkel, Hebro Chemie,  
Siemens, Hella, Melitta, Mercedes AMG,  
Kronenbrot, Miele, Knipping Kunststoff, Interroll

# Conventional floor coatings

**Correct: artificial resin floor coatings etc are the better-known solution. Unfortunately, the associated risks, ancillary and follow-up costs are equally well-known:**

- **Intricate preparation** The substrate has to be checked with respect to its adhesive properties and dampness by a SIVV-certified specialist for concrete refurbishment. Every coating has to be co-ordinated with its respective substrate – this is a problem in the case of alternating sub-strates in old buildings
- **Expensive substrate refurbishment** e.g. oil removal, shot blasting, filling cracks and surface defects, grinding
- **Loss of production** The entire floor surface has to be emptied, so that your production stands still for at least five days. The loss of turnover has to be added to the refurbishment costs
- **Dust formation** Very problematic for many production processes. There are also additional painting costs
- **Multistage floor coating** Priming, levelling course, coating, floor sealing... The result of this procedure always varies in terms of colour and surface quality
- **Joint problems** The problem of joints in the case of an industrial floor coating can only be solved with high-quality joint profiles. Cost: approx. € 125 per running metre
- **Defects and damage to a floor coating** Problem floors, e.g. oily subfloors, rising damp can ruin your investment within a very short time: detachment, cracks, spalling of the coating ...
- **Repairs** Repairing the floor coating at specific points is difficult and very expensive
- **Incalculable follow-up costs** In the case of ESD floor coatings any uneven application places the excellent quality of your sensitive products in jeopardy. A damaged ESD floor coating results in higher rejection levels and latent damage. The loss of image may prove expensive to your company in the long term
- **Hazardous to the health** Floor coatings contain solvents and are therefore hazardous to the health and environment. Epoxy resins cause lung problems and allergies. Economic cost to Europe as recorded by the trade associations: € 2.5 billion (2005)
- **Caution: Maintenance agreement!** As a rule the offers include a maintenance agreement amounting to approximately € 3.00 per m<sup>2</sup> and year. This is equivalent to an additional € 30.00 / m<sup>2</sup> over 10 years

**Do you still want a resin floor?  
Or would you prefer to avoid investment risks?**



# — or rather SILA system floors?



## The convincing advantages of the SILA product family:

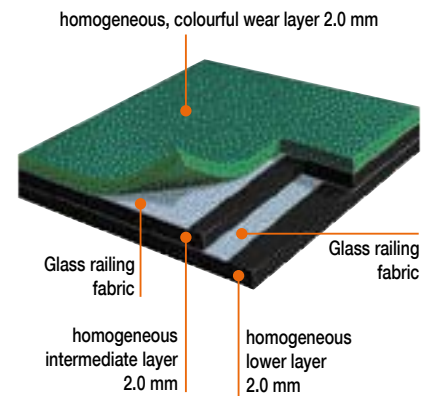
- **Special solutions:** Vapour-permeable, impervious to fluids, conductive (ESD) – the ideal solution for every special case. Practical advantages:
- **Loose laying or glued down:** Fast and reliable without any intricate preparation of the subfloor: no shot blasting, no oil removal...
- **Your operations can continue:** No need to empty your production halls, no dust formation when the floor is laid. Can be subjected to heavy loads immediately!
- **Cost-effectiveness:** Extremely durable, resilient to oils and chemicals, low-wear, low-maintenance
- **Repairs:** Damage to the industrial tiles at specific points is quickly repaired through replacement of the tiles while your business operations continue
- **Occupational health and safety:** Non-slip due to the special surface, prevention of accidents at work. Shock absorbent for tools and production parts. Low flammability
- **Comfort:** Kind to the joints, warm to the feet, sound-absorbing
- **Flexibility:** Subsequently the covering can be changed, removed or used in other rooms without difficulty
- **Environment:** Recyclable
- **Finance:** Purchase or hire purchase

# SILA K6 – the robust floor

**Vapour-permeable floor covering for production and warehouse surfaces subjected to a heavy load:**

- Elastic, multi-layered floor covering with pyramid-like surface
- Dovetail profile for stable floorspace connections
- Dual-arming with a glass railing fabric for exceptional dimensional stability
- Large-scale format 63.5 x 63.5 cm (dovetail profile), special format 65 x 65 cm (straight edges) on request
- Overall thickness 6 mm, wear layer 2.0 mm
- Environmentally-friendly: carrier layer consists from recycling material to a large extent
- PUR® contact finish removes the amount of maintenance work involved

## Structure of SILA K6



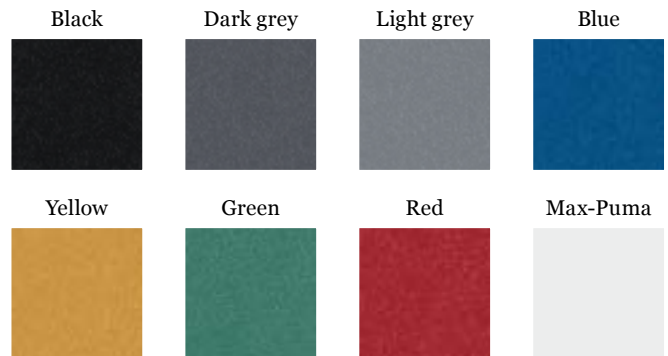
**Even on damaged sub-floors SILA K6 can be laid without difficulty, rapidly and securely, even in the event of residual moisture. Cracks that arise due to shrinkage are not problematic.**



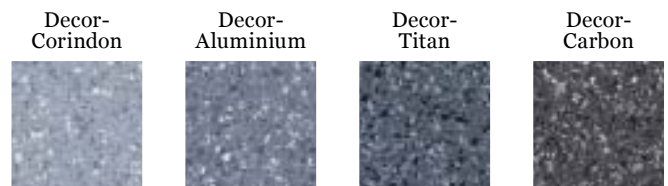
**Under a heavy load: SILA K6 bears 13 tons here (forklift truck plus load).**

## The design advantages of SILA K6:

- Nine strong colours make it possible to create colourful walkways, roads for forklift trucks, diversely structured production and warehouse areas.
- Desired colour, e.g. the colour of your company headquarters, as a customised design for purchases of 3,000 m<sup>2</sup> or more
- Decorative floor design options
- 7 decor colours with a refined granite appearance
- SILA K6 Max with reinforced top layer (Shore hardness HD ≥ 55)



**SILA K6 Max tiles are particularly resistant.**



**All SILA K6 decor tiles are anti-static.**

## The SILA K6 product range:

| SILA K6 tile                    | SILA K6 corner tile             | SILA K6 access ramp             |
|---------------------------------|---------------------------------|---------------------------------|
| Usable area in mm:<br>635 x 635 | Usable area in mm:<br>350 x 350 | Usable area in mm:<br>635 x 350 |



**Eye-catching pictogram tiles ensure more industrial safety.**

# SILA K7 – the versatile floor

**Adaptable industrial floor withstanding a load, ergonomic or pervious to fluids based on your choice:**

- Elastic, homogeneous industrial floor made of pure PVC
- Secure, robust and ergonomical; particularly suited for standing work areas
- Protects falling materials from breakages
- Hygienic and easy to clean
- Can be combined as you like
- Format 490 mm x 490 mm, overall thickness 7 mm - 17 mm
- Ergo/comfort designs: the better alternative to workplace mats.



**Regardless of whether it be a forklift truck load or personnel convenience: SILA K7 fulfils all your requirements with one homogeneous covering.**

## **The fields of application:**

- Production plants, workshops
- Warehouses and shops
- Laboratories, office
- Sport and fitness centres
- Public buildings, schools
- Standing work areas

**SILA K7**  
**SILA K7 ergo**



**SILA K7 open**  
**SILA K7 open ergo**



**K7 comfort**



### The design advantages of SILA K7:

- Coloured floor tiles in nine strong colours enable the clear structuring of the working surfaces and secure orientation.
- All colours of the RAL scale available for purchases of 500 m<sup>2</sup> or more
- Eye-catching pictogram tiles ensure more industrial safety.



### The SILA K7 product range:

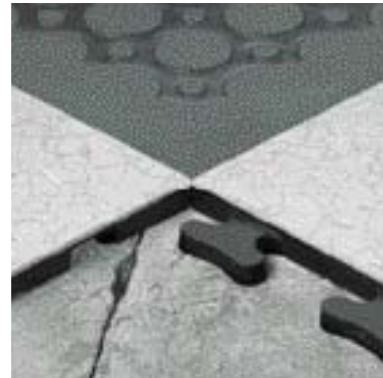
| <b>SILA K7 /<br/>SILA K7 ergo</b>  | <b>SILA K7 open /<br/>SILA K7 open ergo</b>   | <b>SILA K7 comfort</b>   |
|--|---|--|
| Thickness 7 mm<br>Weight 8 kg/m <sup>2</sup>   | Thickness 14 mm<br>Weight 8,5 kg/m <sup>2</sup>   | Thickness 17 mm<br>Weight 9 kg/m <sup>2</sup>  |
| Pimpled, grained or hammer-finished surface<br>Also available in heavy design (thickness 10.5 mm, weight approx. 13 kg/ m <sup>2</sup> ) | Liquids can flow away unhindered.<br>Rapid and simple attachment or removal during cleaning | Patented „spring“ system<br>Stimulates the blood circulation, prevents spinal column and legs from becoming tired, insulates cold floors |
| Shore hardness<br>A 92 „hard“ /<br>A 76 „soft“   | Shore hardness<br>A 92 „hard“ /<br>A 76 „soft“  | Shore hardness<br>A 76 „soft“  |

# SILA K9 – the conductive floor

**Unique ESD floor covering that can be laid loosely – permanently electrically conductive!**

## Your advantages:

- **Uncomplicated:** Honeycomb structure that is ventilated on rear makes it possible to lay it on floors with residual moisture and on magnesite floors
- **Load bearing:** Can be immediately walked and driven on with a high point load. Appropriate for heavy loads
- **Ergonomic:** Non-slip and pleasant standing and walking surface
- **Thrifty:** Reusable. Suitable for temporary conversions
- **Hygienic:** The invisible linking system can be thermally sealed
- **Economical:** Simple mechanical cleaning
- **Can divert electricity:** ESD design (SILA K9 EC)



**With their „invisible“ dovetail connection system the SILA K9 floortiles can be simply linked up to form a homogeneous floor covering.**

## The fields of application:

- Trade and industry, production plants and workshops
- Logistics' sector
- Food enterprises
- Sales and exhibition areas, trade fair stands and halls
- Pharmaceuticals and biotech industry
- ESD-protected areas

**SILA K9:  
Safe protection against electrostatic discharge and an important contribution towards quality assurance and industrial safety.**



**The electrical properties of SILA K9 EC are permanent and consistent; this means that they are not reduced by the age of the floor covering. With test certificate!**

### The design advantages of SILA K9:

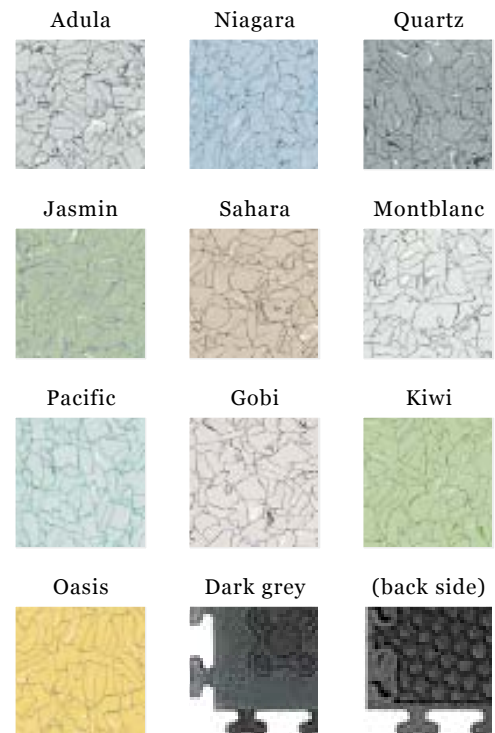
- Standard colour dark grey and 10 attractive colour combinations provide harmonious design possibilities.
- 20 additional colours from the SILA K9 collection upon request.

### SILA K9 EC protects against electrostatic discharges:

- Highly conductive floor tile, electrical resistance according to EN 1815 <math>1 \times 10^6 \text{ Ohm}</math>



Laying when the business is still running: SILA K9 can be used immediately.



### The SILA K9 product range:

| SILA K9 standard tile ST | SILA K9 tile AS   | SILA K9 tile EC  |
|--------------------------|---|--|
| Pimpled surface          | Smooth surface  | Smooth surface   |
| –                        | Antistatic  | Electr. conductive   |
| Color: Dark grey         | Colors: Adula, Niagara, Quartz, Jasmin, Sahara, Montblanc | Colors: Adula, Quartz, Montblanc, Pacific, Gobi, Kiwi, Oasis |

# SILA K10 – the liquid-tight floor

**Heavy, liquid-tight industrial floor,  
universal, robust, economical:**

- Elastic floor covering with decoratively structured surface
- Format 490 mm x 490 mm, overall thickness 10 mm/ 20 mm
- High quality, recycling material with high dimension stability
- Loose laying, cold and thermal welding



**SILA K10 industrial floors  
can be loaded immediately after  
laying ...**

**... and reliably protect  
the subsurface against  
contamination.**



**The fields of application:**

- Industrial halls, workshops, warehouse areas
- Catering enterprises, chemical industry
- Sales / exhibition areas, printing houses, shipment
- and lots of other fields of use ...

**The product properties:**

- Elastic, shock-absorbing
- Non-slip, even in a wet / dusty state
- Resistant to oils, greases as well as a large number of chemicals
- High sound and heat insulation, keeps your feet warm



**The laying is carried out by specialist personnel:**

**Precise blanking with a stamping machine.**



**The heavy plastic plates can be laid on virtually any sub-floor without bonding.**



**Due to the cold or thermal welding of the groove produces an industrial floor that is 100 % liquid tight.**



**SILA K10 in the chemical warehouse: Security for staff and environment**

# SILA K25/K43 – for outdoors and indoors

## Highly resilient floor plates for external and internal areas

SILA K25 and SILA K43 floor plates help you to economically ...

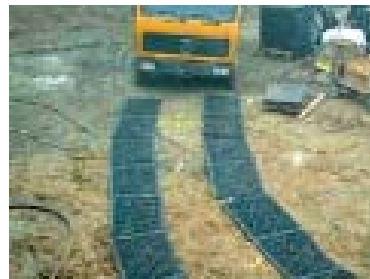
- **Develop:** “Wild” foundations rapidly and securely become able to withstand a strain
- **Protect:** Sensitive ground, e.g. lawns are kept in shape
- **Keep things clean:** Less dirt is brought into adjacent interior rooms



Whether it is a provisional or a permanent installation – SILA K25 load plates pay for themselves in a few weeks.



Following the major event: SILA K25 lawn plates make it easier to clean up. Rather than raking garbage from the lawn, you can use a sweeping machine.



SILA K43 heavy load plates in use: Building site vehicles do not get stuck in the mud.

## The fields of application:

**Events:** in exhibition and trade fair halls and also for marquees and open air events, e.g. in football stadia. The visitors' feet are kept dry and warm, foundation is kept in shape.

**Provisional installations in external areas:** provisional parking spaces, road external storage areas can be set up, changed and restored.

**In building sites** SILA K43 heavy load plates secure the entrance and unsoiled access to the property. This saves cleaning costs.

SILA floor plates have also proved themselves in the **horticulture sector**.

### The product properties:

- Capable of withstanding high loads:  
SILA K25 up to 2.5 t/dm<sup>2</sup>,  
SILA K43 up to 3.5 t/dm<sup>2</sup>
- Resistant to alkaline solutions, acids oil and petrol as well as UV light
- Fulfils the Fire retardant class B1 of the EU standard
- Tested according to TÜV-EU 2000 Munich
- Environmentally-friendly recycled material

### The laying:

- Rapid laying, rapid restoration
- Can be worked well with a compass saw
- Efficient transportation on pallets (50 m<sup>2</sup>/ pallet)
- No grouting, filling in, levelling out or bonding necessary

### The match joint principle:

The SILA K20 / 43 bottom boards with their special match joint system can easily be linked up to form stable surfaces and catwalks.



**Ramp modules to level out the floor supplement the range SILA K20 and SILA K43.**

### The SILA K25 / K43 product range:

| <b>SILA K25<br/>loading plate</b> | <b>SILA K25<br/>grass plate</b>  | <b>SILA K43<br/>heavy load plate</b> |
|-----------------------------------|----------------------------------|--------------------------------------|
| Code-No. 201                      | Code-No. 205                     | Code-No. 435                         |
| Format in mm:<br>1200 x 800 x 25  | Format in mm:<br>1200 x 800 x 25 | Format in mm:<br>1200 x 800 x 43     |
| Weight:<br>20 kg                  | Weight:<br>19 kg                 | Weight:<br>32 kg                     |

Laying area  
per plate: 0,86 m<sup>2</sup>

# SILA K50 – the steel floor

**Steel anchor plates for the heaviest floor loads indoors:**

## Your advantages:

- **Simple preparation:** SILA K50 steel anchor plates are laid directly on the raw concrete by means of bedding screed.
- **Fast laying:** four workers can lay 120 m<sup>2</sup> a day
- **Extremely resilient:** SILA K50 can withstand point loads of up to 3 t/cm<sup>2</sup>
- **Particularly hard-wearing:** ideal for all industrial trucks, as well as for thrust, impact, rolling movements and slip loads
- **Ergonomic:** low rolling resistance, low-noise, slip-proof
- **Long service life:** the steel surface is not subject to abrasion and is practically dust-free
- **Environmentally-friendly:** robust design made of untreated steel; galvanisation and zinc-coating upon request



**The 3 mm-thick solid steel plates are indispensable wherever small-volume loads with a high weight are to be transported.**



**SILA K50 steel anchor plates are simply indestructible even under extreme conditions.**

**The industries:**

- Automobile industry
- Heavy mechanical engineering
- Pressing plants and foundries
- Forges
- Chemical industry
- Military facilities
- Printing industry

Very simple laying due to the interlocking plates.

Uniform laying pattern so that driving over the plates is largely vibration-free, with the result that the items being transported do not fall off and industrial trucks require fewer repairs.

**Applications:**

**Industry, trade and commerce**



**Production facilities and workshops**



**Storage areas, container parking spaces**





**The SILA K50 product range:**

| <b>SILA K50 standard plate N</b>                               | <b>SILA K50 side plate S</b>                           | <b>SILA K50 corner plate E</b>                              |
|--|--|---|
| Normal design<br>3 mm-thick sheet steel for interlocked laying | For connection to expansion joints or as slide closure | For areas where expansion joints cross or as corner closure |

All SILA K50 steel anchor plates have a laying measure of 300 x 300 mm.

# Technical specifications

## European classification EN 685

|   |    |    |    |   |    |    |
|---|----|----|----|---|----|----|
|  |    |    |    |  |    |    |
| Property areas  |    |    |    | Industrial areas  |    |    |
| 31  | 32 | 33 | 34 | 41  | 42 | 43 |

| Technical specifications                          | DIN         | SILA K7  | SILA K10                     |
|---|-------------|--|------------------------------|
| Stress class                                      | –           | 34 - 43  | 34 - 43                      |
| Lining in accordance with                         | 16 951      | –  | –                            |
| Total thickness (mm)                              | –           | 6,5 / 6,7 / 7,3  | 10                           |
| Seam thickness (mm)                               | –           | –  | –                            |
| Overall weight (kg/m <sup>2</sup> )               | –           | 8,0  | 16,0                         |
| Measure of Impact sound improv. (dB)              | 52 210      | 5  | 9                            |
| Dimensional stability (%)                         | 51 962      | •  | ≤ 0,01                       |
| Wear performance (mm)                             | 53 516      | 0,08   | 0,14                         |
| Heat transmission resistance (m <sup>2</sup> K/W) | 52 612      | •  | 0,15                         |
| Remaining impression (mm)                         | 51 955      | •  | ≤ 0,1                        |
| Light-fastness                                    | 53 389      | ≥ 6  | ≥ 6                          |
| Behaviour in fire                                 | –           | Bfl-s1   | Bfl-s1                       |
| Behaviour with chemicals                          | 51 958      | Insensitive to diluted acids and lyes<br>if only allowed to act for a short time |                              |
| Resistance to ground (Ohm)                        | 51 953<br>– | < 10 <sup>14</sup><br>•  | < 1,6 x 10 <sup>9</sup><br>• |
| Location transition resistance (Ohm)              | VDE 0100    | •  | •                            |
| Slip resistance when damp                         | 51 130<br>– | R9<br>R10 (Hammer)<br>•  | R11<br>•                     |
| Mechanical resistance (Shore D/A)                 | 53505       | 92 / 76  | 90                           |
| Tensile strength (daN/cm <sup>2</sup> )           | ISO 527     | •  | •                            |
| Static load when walking on it (kV)               | –           | •  | •                            |
| Tile size (mm)                                    | –           | 490 x 490  | 490 x 490                    |

Visit us on the web at

[www.sila-floorline.de](http://www.sila-floorline.de)

Our site offers

- free downloads,
- valuable checklists,
- many reference photos and application models of our industrial floors, floor coverings and clean-off zones

The color reproduction in this brochure is not technically binding.

On our website you can request free color samples!



Please watch online our "Floor laying photo story":  
[www.sila-floorline.de](http://www.sila-floorline.de)  
under "References".

# Company profile

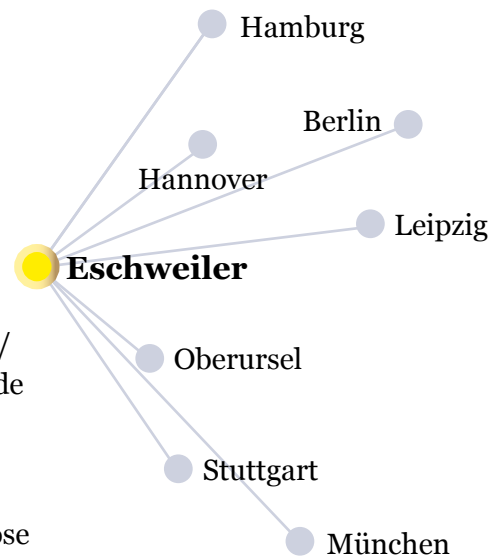
The firm DRZ GmbH, owner of the trademark SILA® floorline, was founded in 1991 by the Managing director Roland Zians. The head office is located in Eschweiler, North Rhine-Westphalia, Germany. By means of regional branch offices, the company supplies its products and services throughout Germany and the neighboring countries.

The company offers products and services in the field of commercially used floors.

In the sector of loosely laid industrial flooring DRZ GmbH is not only the market leader; as the only supplier of such a diverse product range in the region of Germany / Austria / Switzerland / Benelux, DRZ GmbH is in a position to provide every businessman with effective and fair advice.

This means: after individual on-site consultation every customer is provided with precisely the industrial floor whose profile is tailor-made to their specific field of application.

SILA industrial flooring has been used throughout the world for the past 20 years.



***“My customers are satisfied if they are provided with a solution that is cost-effective in the long term and which is fully in line with their expectations. And your satisfaction forms the basis for our mutual success.”***

*Roland Zians, managing director DRZ GmbH*

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