

Laying antistatic flooring



The subfloor must be clean, dry, level and free from cracks. Remove paint, oil and similar stains. Note that asphalt, oil spillages, impregnation agents, marks from felt-tips and similar can cause discoloration. Always store the rolls on end, and ensure that materials, adhesive and underlay are at room temperature before you begin. If flooring material from more than one roll is used, it must have the same batch number and be laid in numerical order.

Bond the floor covering to the subfloor with an all-over coating of ordinary flooring and wallcovering adhesive. Apply conductive flooring adhesive with permanently dissipative properties to the copper strips. Always connect the product to earth – consult an electrician. Heat-weld the flooring, chamfering the joints before welding. Ensure that the copper strips do not get damaged. Carry out a simple check of the dissipative ability when the work is finished. Carry out a full check six weeks at the earliest after installation.

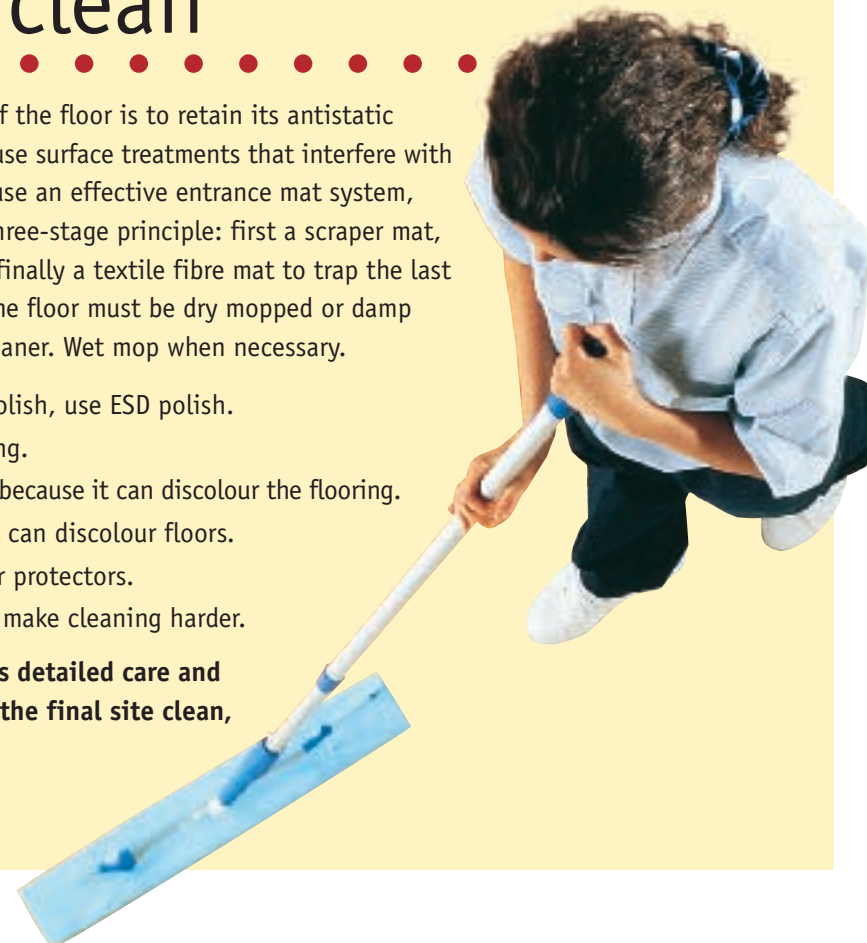
For complete information, see Tarkett Sommer's detailed installation instructions.

Simple to clean

The surface must be kept clean if the floor is to retain its antistatic properties. Furthermore, do not use surface treatments that interfere with the antistatic function. Always use an effective entrance mat system, ideally in accordance with the three-stage principle: first a scraper mat, then an Astroturf-type mat and finally a textile fibre mat to trap the last of the dirt. For daily cleaning, the floor must be dry mopped or damp mopped using a neutral floor cleaner. Wet mop when necessary.

- ✓ If the floor is treated with polish, use ESD polish.
- ✓ Solvents damage vinyl flooring.
- ✓ Wipe up spilt oil immediately because it can discolour the flooring.
- ✓ Black rubber wheels and feet can discolour floors.
- ✓ All chair legs must have floor protectors.
- ✓ Remember that light colours make cleaning harder.

Always follow Tarkett Sommer's detailed care and maintenance instructions. For the final site clean, see separate instructions.



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This site has an environmental management system and its environmental performance is reported on to the public in accordance with the Community eco-management and audit scheme. (Registration No. S-S-00102.)

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Antistatic floor coverings



For greater safety in sensitive environments.

The new generation of antistatic flooring.



Tarkett Sommer



A totally new generation of antistatic flooring

A discharge occurs if an object or person has a sufficiently large excess or deficit of negative or

positive charge. In a sensitive environment, one of the most important ways of avoiding damage from discharges is to choose the right type of floor covering. If the floor has a low electrical resistance (i.e. it conducts electricity easily) it conducts the charge from the room and dissipates it to earth.

Static electricity causing electrical discharges is a problem in an increasing number of interior environments. This places special demands on the floor covering's characteristics. Granit AS has been developed as a contribution to the reduction of these problems. The floor covering alone does of course not solve this problem but plays a major roll.

PERMANENT STATIC CONTROL

Tarkett Sommer has developed a method that utilises conduction through colour pigment particles dispersed through the floor covering. This creates a floor covering with low electrical resistance due to the high conductivity of the pigment particles. The conductive particles either go all the way through the floor covering or make contacts with each other. In both cases circuits are created that allow charges from people and objects to be conducted to earth.



NEW CONSTRUCTION

A new production technique for Granit AS has been developed with a totally non-directional pattern image. This means the conductivity is even more reliable.

Granit AS has a conductive backing that allows normal acrylic flooring adhesive to be used. This makes installation easier and less expensive.

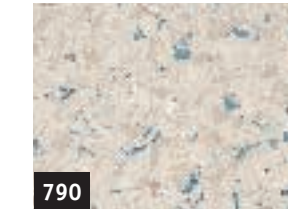
CHOOSE FROM DIFFERENT ALTERNATIVES

Tarkett Sommer has a range of electrically conductive floor coverings. The products with the lowest resistance are recommended for extremely sensitive environments such as operating theatres, the chemical industry, etc.

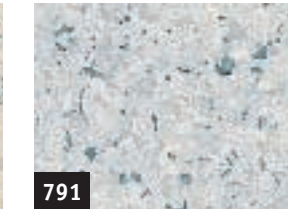
Granit AS is suitable for most other applications, leaving you free to let colours and designs determine your choice.

MANY DESIGN POSSIBILITIES

In the past, static control floor coverings have been limited to dark, dreary colours. Now Tarkett Sommer has developed antistatic floor coverings in light, attractive colours, with designs that harmonise with our other floor coverings. Granit AS is available in six colours.



NCS S 2005-Y40R
Welding rod no. 32 91821



NCS S 2502-B
Welding rod no. 32 91811 0



NCS S 4502-B
Welding rod no. 32 92767



NCS S 2020-R90B
Welding rod no. 32 91210 0



NCS S 3020-B70G
Welding rod no. 32 91794



NCS S 1000-N
Welding rod no. 32 92801 (

Granit AS is manufactured using a unique press technique, in which the constituents are bound together under extremely high pressure. This technique is particularly suitable for dissipative flooring, because the binding together is crucial for the flooring's performance.



Granit AS

Granit AS is a homogeneous resilient static control flooring manufactured using the latest technology. The conductive properties have been achieved by making some of the pigments permanently electrically conductive, and by giving the product an electrically conductive black backing. This provides stable and reliable conductivity while at the same time the product is aesthetically pleasing. Granit AS is classified as a DIF-product, Dissipative Floor, according to IEC 61340-4-1. Installation is carried out using ordinary flooring adhesive. Conductive adhesive is required over copper strips. Tiles must always be installed using a conductive adhesive. The pattern is non-directional.

Technical data		GRANIT AS
Type of floor covering	EN 649	Homogeneous, permanently antistatic pressed vinyl flooring
Classification	EN 685	Commercial: 34 Industrial: 43
Total thickness	EN 428	2.0 mm
Weight/m ²	EN 430	3.1 kg
Abrasion/ thickness loss	EN 660: Part 1	Group P: ≤ 0.15 mm
Residual indentation	EN 433	approx. 0.03 mm
Wear by chair castors	EN 425	suitable
Underfloor heating		suitable - max. 30° C
Electrical insulation	VDE 0100, Part 600	$R_i \geq 5 \times 10^9 \Omega \text{m}$
Electrical resistance	DIN 51953	$10^9 \leq R_i \leq 10^{10} \Omega \text{m}$ $R_i \leq 10^{10} \Omega \text{m}$
	ESD:S7:1	$10^4 < R \leq 10^{10} \Omega \text{m}$
ESD-approval. SP-method 2472	EN 1081	$R \leq 10^{10} \Omega \text{m}$ $R_i \leq 10^{10} \Omega \text{m}$ $R_i \leq 10^{10} \Omega \text{m}$
	EN 1815	$< 2 \text{ kV}$
IEC 61340-4-1		$10^4 < R \leq 10^{10} \Omega \text{m}$
BS 2050, 1978. Method A.4.1		$5 \times 10^4 < R \leq 10^{10} \Omega \text{m}$
Thermal resistance	DIN 52612	0.008 m ² k/w
Fire resistance	Din 4102 NT-Fire 007 BS 476 (Part 7)	B1 Class G Class 2
Colour fastness	EN 20105-B02	≥ level 6
Chemical resistance	EN 423	good resistance
Colours		6
Form of delivery	EN 426 Sheet (rolls)	approx. 25 m x 200 cm art. no. 3769 — — 5 4 digit colour number
	EN 427 Tiles (box)	61x61 cm 14 tiles / box = 5.21 m ² art. no. 3771 — — 0 3 digit colour number

Tarkett Sommer's instructions regarding installation, cleaning and maintenance should be observed. Please contact Tarkett Sommer at the address shown for these instructions, or get print-outs from www.tarkett-sommer.com.