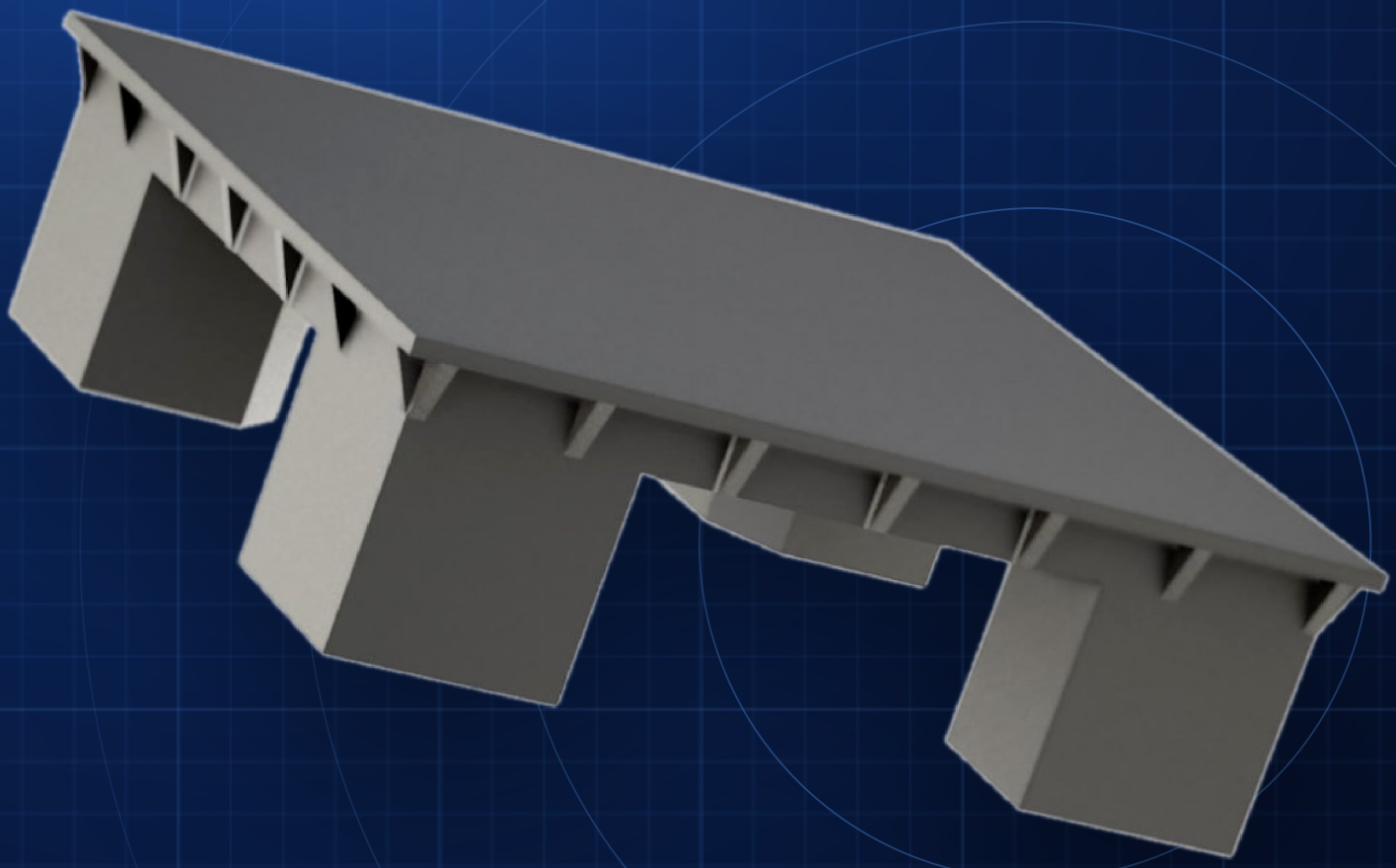
CYBERFLOOR
INTELLIGENT ACCESS FLOORING

EDITION 5
OCTOBER 2026



Technical Specification.

A low-profile access flooring system for modern offices, with integrated cable management.

~50mm	<15kg	7,200kg	5 yrs
SYSTEM HEIGHT	PER M²	UNIFORM LOAD PER M²	WARRANTY

WWW.CYBERFLOOR.CO.ZA JADE@CYBERFLOOR.CO.ZA +27 82 751 7567

~50mm	<60mm	<15kg	5 yrs
SYSTEM HEIGHT	WITH CARPET	PER M²	WARRANTY

01 Product Overview

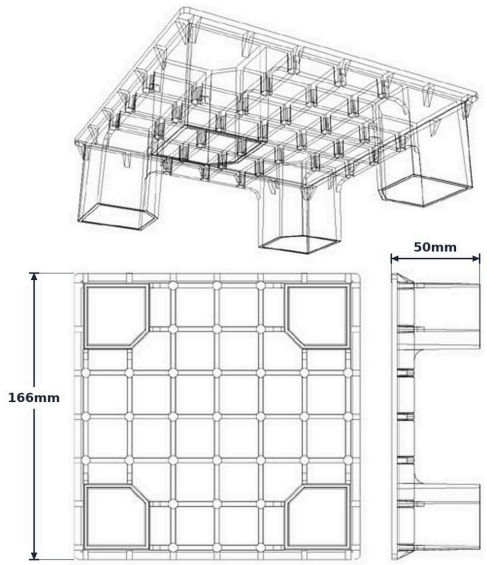
CyberFloor is a low-profile access flooring system developed for the changing cable management needs of modern office environments. Traditional access flooring systems are heavy, tall, and were designed for legacy computer rooms rather than general office wiring, which makes them costly and often impractical to retrofit.

CyberFloor addresses this with a system about 50mm high (under 60mm including carpet), weighing under 15kg per square metre, suitable for both new-build and retrofit projects without the additional structural and façade provisions that a standard access floor can require.

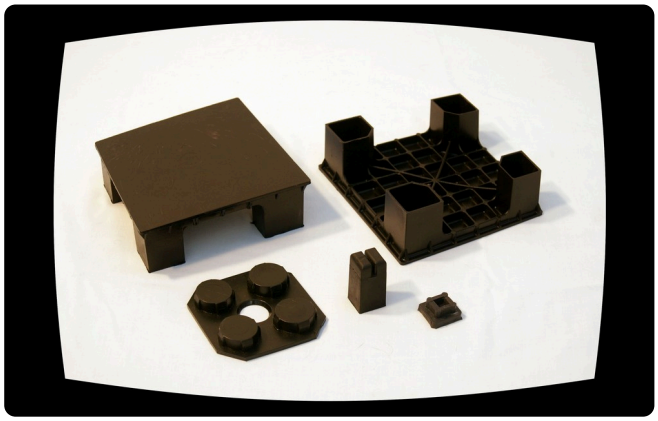
02 Technical Specifications

CONSTRUCTION	Non-metal ABS injection-moulded pedestals, with fire retardancy added, clipped into a soft foot.
PEDESTAL	166mm centres, 36 pedestals per square metre. Nine pedestals form a 50mm-high support base per 500mm × 500mm carpet tile.
SYSTEM PROFILE	About 50mm system height; under 60mm total height including carpet. Under 15kg per square metre, a fraction of a standard access floor.
FIXING	Not fixed to structure. Self-levelling soft foot; fully removable and reusable at other premises.

→ The Pedestal and its Components



Dimensioned pedestal: 166mm full width, 50mm support height.



The four core components: pedestal, footpad, plug-in leg and corner clip.

03 Performance Data

3.1 Load testing

Conducted at the University of the Witwatersrand under controlled laboratory conditions. A factor of safety of 2 has been applied in each case.

7,200 kg/m²
UNIFORM LOAD

200 kg
STATIC LOAD

250 kg/cm
IMPACT STRENGTH

TEST	RESULT
Static loading	**200kg**
Caster load (25 × 5mm)	**100kg**
Caster load (50 × 5mm)	**200kg**
Uniform load per m²	**7,200kg**
Impact strength	**250kg/cm**

Heavy or concentrated loads. For server racks, safes, filing or archive systems, use spreader plates beneath the item to distribute its weight across a wider footprint, in line with the use and maintenance guidance in Section 8.

SABS 0400

3.2 Fire rating

Certified by the CSIR as “deemed to comply” with SABS 0400 (CSIR Ref. 59869/32). Full-scale fire tests confirm CyberFloor does not propagate fire, including when used with polypropylene carpets.

DIN 66095

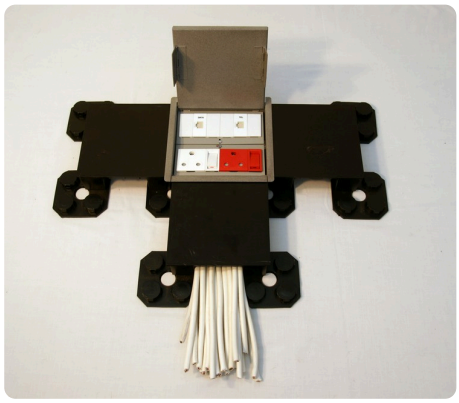
3.3 Antistatic properties

Complies with DIN 66095 Part 4 (SABS Ref. 5526/1403611/E1/R801), tested in accordance with DIN 54345 Part 2 with an earthed CyberFloor electrical box. Test reports available on request.

05 Cable Management

Cables run from source to plug-box hubs beneath the floor, using computer-standard, quick-connect plugs: a plug-and-play logic requiring no special tools. Hardened plug-box lids protect cables against damage and fold away to leave power and data access neat and unobtrusive.

The CyberFloor electrical box combines switched power, data and telephone outlets in one unit.



CyberFloor electrical box in the pedestal grid.

04 Comparison with Standard Access Flooring

Figures are based on a 1,000m² installation.

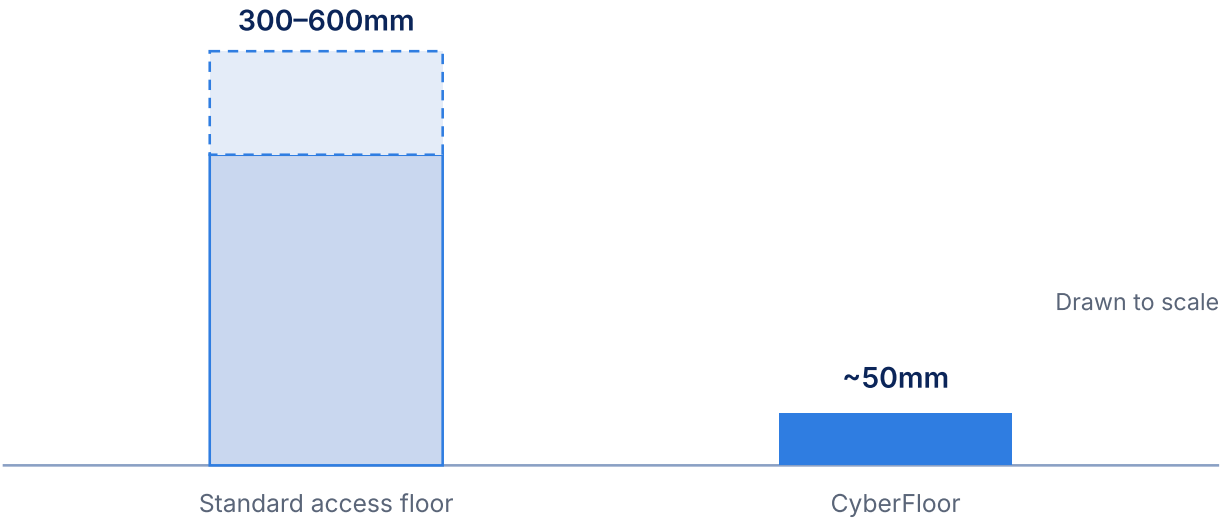
METRIC	STANDARD ACCESS FLOOR	CYBERFLOOR
Height	300–600mm	**~50mm**
Weight	60–65kg/m²	**Under 15kg/m²**
Outlet positions (per 1,000m²)	~2,777–11,111	**Up to 36,000**
Cable capacity (per 1,000m²)	7.68m³	**20.74m³**
Fixed to building structure	Yes	**No. Removable and reusable**

A standard 300mm-high access floor raises the floor-to-ceiling height and adds structural loading (about 60,000kg per 1,000m²). In a new build this can increase structural and façade costs, depending on the project. At about 50mm high and under 15kg/m², CyberFloor avoids these additions.

6–12 × lower
HEIGHT VS STANDARD

4 × lighter
OR MORE, PER M²

20.74 m³
CABLE CAPACITY / 1,000M²



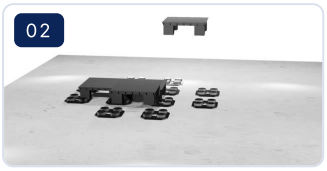
06 Installation & Compatibility

- Installs in the same manner as laying carpet; adapts easily to all spaces.
- Can be laid directly over existing carpet.
- May be lifted at any time for access to under-floor services.
- Not fixed to the building structure: removable and reusable at other premises.

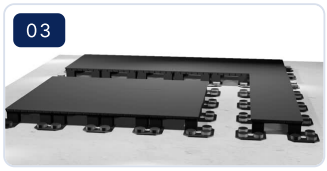
Installation sequence



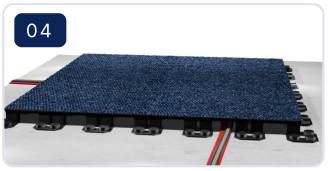
Set out the grid



Lay the floor



Lift for cabling



Finish

~250m²
IN TWO DAYS, TRAINED TWO-PERSON CREW

Hours
TO TRAIN AN INSTALLATION CREW

The rate includes training time on a first job. No specialised skills or tools are required beyond a standard chalk line and an angle grinder with a diamond-tipped blade for edge cutting.

Finish compatibility. Loose-lay carpet tile with perm-tack adhesive, vinyl tiles, and permanently-bonded carpet in 500mm modules have all been used in completed installations. The fire grade of the selected finish should comply with SABS 0400.

07 Sustainability

CyberFloor is 100% reusable: the system is not fixed to the building structure and can be lifted, relocated and reinstalled at another premises. It is also 100% recyclable at end of life.

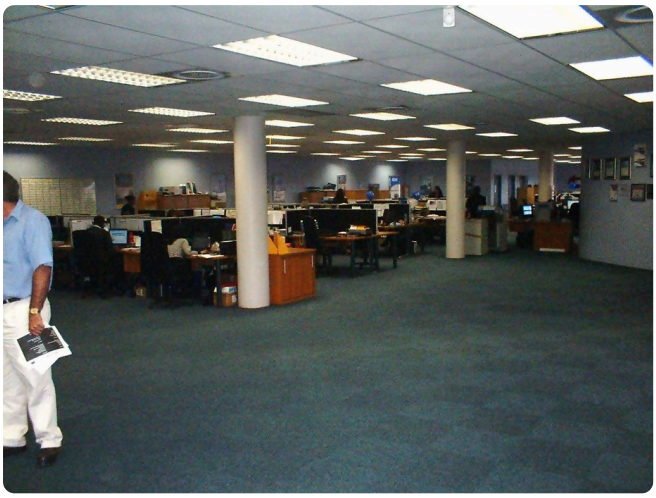
08 Warranty & Maintenance

CyberFloor is warranted against defects in materials and manufacturing workmanship for a period of five years when installed under prescribed methods. A dated warranty certificate, referencing the specific project and completion date, is issued per installation.

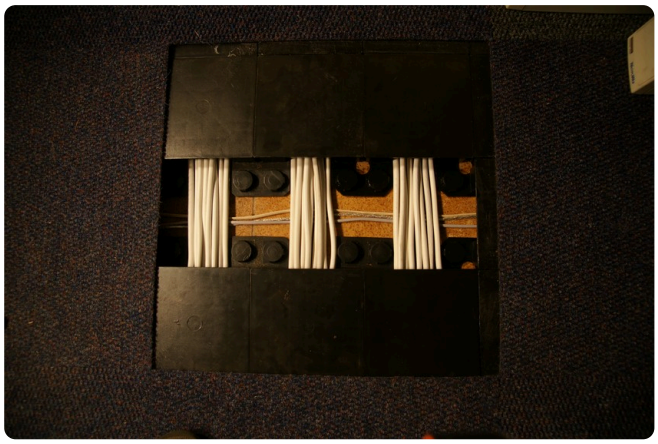
Use and maintenance guidance

- When moving large objects across the floor, use spreader plates to distribute the weight of the object being moved.
- The product is manufactured from plastic. Exposure to certain chemicals may affect it.
- Use a dry form of cleaning, as water can leak beneath the floor and affect the wiring below.

09 Reference Projects



Drive Control Corporation, Linbro Park: open-plan office in daily use.



Cable bundles routed beneath a lifted section.

A selection of completed installations:

- World Bank Office, Accra, Ghana
- Gauteng Provincial Legislature, Johannesburg
- SA Post Office, Head Office & Church Square, Pretoria
- CSIR, Pretoria
- Polytechnic of Namibia, Phase 1 & 2, Windhoek
- Ernst & Young, Maputo, Mozambique
- De Beers (Venetia Mine), Musina
- Sanlam, Pretoria
- MTV, Johannesburg (Hyde Park)
- Wits University IT Training Centre, Johannesburg

Full client list available on request.

How to get a quote

Send the following to jade@cyberfloor.co.za and we will come back to you:

1. Approximate floor area (m²)
2. Site location
3. New build or retrofit
4. Finish: carpet tile, vinyl or other
5. A floor plan, if you have one (so we can mark up outlet positions)

A pedestal sample can be arranged for you to see and handle.

10 Contact

Jade Gaillard, CEO and Director	jade@cyberfloor.co.za	+27 82 751 7567
Adrian Gaillard, MD	adrian@cyberfloor.co.za	+27 72 480 2890
Sarah Ntinezo, Sales Executive (Gauteng)	sarah@cyberfloor.co.za	+27 83 697 4723
Donald Majola, Sales Executive (Western Cape)	donald@cyberfloor.co.za	+27 83 675 0267