

CONCEPT MANUAL

IP-GROUP FLOOR

CBR **VALUE**

(CALIFORNIA BEARING RATIO)

The Protecting floor system can also be laid on soil with very low bearing capacity, such as clay or similar ground

CONSTRUCTION **SITE**

Easy to handle, transport and assembly. Ground protecting interlocking floor with high sustainability

HMS **FLOOR**

Can be applied on all types of outdoor foundations, from sand and dirt to grass. The design makes modular flooring easy



CONSTRUCTION **FLOOR**

With this Floor System, you get a unique floor with several fields of applications

ARENA **FLOOR**

The Floor is the perfect solution for protecting indoor surfaces during events.

EASY **ASSEMBLE**

1 person can assemble approx. 80-100 m² per hour. No specialist handling required



GROUND PROTECTION TILES AS A STABLE BASE

Explore our ground protection tiles, road plates, and temporary flooring – engineered to meet the toughest demands.

Our innovative flooring system is designed to adapt to all types of terrain, providing a stable platform for maintenance work – no matter where you are. Each tiles connects seamlessly using our intuitive channel cover and support system. With a simple slide-and-lock mechanism, installation is quick and hassle-free, so you can focus on getting the job done.

When used for ground protection in the field, the system ensures both stability and durability. Depending on the surface, the outer panels are securely anchored with U-profiles and ground stakes – delivering outstanding reliability even in the most challenging environments. Experience the convenience and reliability of our ground protection tiles– the ultimate solution for mobile repair operations. Trust a surface that adapts to your needs, enabling you to work efficiently – wherever you're needed.





PROTECTIVE FLOORING FOR WORKSHOPS

The unique design and interlocking system of the protective flooring gives it exceptional strength and versatility – without the need for excessive additional materials or weight. Use the flooring tiles to protect the surface beneath, regardless of type. Even the heaviest vehicles and tanks can be serviced directly on the floor.



**STRONG, FLEXIBLE, AND EASY TO INSTALL! AN
ALTERNATIVE TO CONCRETE -
DIRECTLY IN THE FIELD**



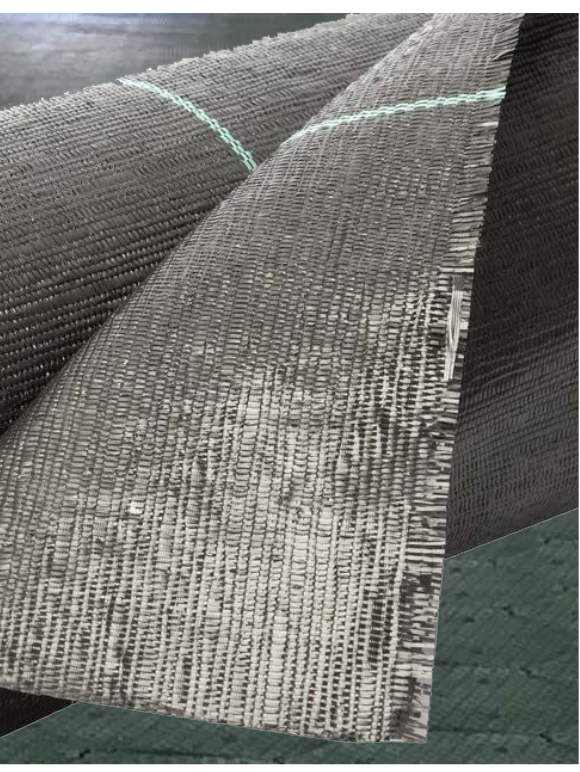
**DESIGNED FOR QUICK INSTALLATION WITH
MINIMAL GROUND PREPARATION.**

**PERFECT AS A BASE FOR STORAGE,
VEHICLE MAINTENANCE TENTS, MOBILE
ROADS, AND MORE.**

**USE GEOTEXTILE BENEATH THE
PROTECTIVE FLOORING TO SHIELD
AGAINST COLD AND MOISTURE.**



**ASSEMBLY TIME PER PERSON:
APPROXIMATELY 100 M²/HOUR**



WHEN YOU ASSEMBLE AND CONNECT THE TILES WITH THE “OVER AND UNDER” SYSTEM, YOU ACHIEVE EXCEPTIONAL STRENGTH, AS THE FLOOR PANELS SUPPORT EACH OTHER ON ALL SIX SIDES.

INSTALL THE TILES SYSTEM WITHOUT THE NEED FOR TOOLS. THE PLATES HAVE NO SHARP EDGES, MAKING ASSEMBLY BOTH SMOOTH AND SAFE.







CBR (CALIFORNIA BEARING RATIO)

The tile system can also be laid on soil with very low bearing capacity, such as clay or similar ground. The soft soil presses into the pattern on the underside of the tiles, providing extra stability. It is important that the ground does not sink, as it can in marshes or wetlands.

The tiles act like a "bridge" over the ground. If there is a hole under a tile, it can either span across the hole or bend slightly into it, depending on the size of the hole and the load. When a vehicle has passed, the tile will return to its original shape. For best durability, the roadway area should also be closed in full width, especially if the ground has height differences or cross-slope.



IPG FLOOR CONCEPT

With IP-Group protecting floor, you get a unique product with numerous applications. The concept is perfect for flooring in areas with very high demands. These are easy-to-install with high durability. The interconnected floor plates are made of strong plastic and can be used on all types of outdoor surfaces, from sand and soil to grass and turf.

Road plates and ground protection tiles form a completely modular flooring system that is replaceable and expandable, capable of withstanding the weight of large trucks, forklifts, and other heavy machinery. Each floortile is durable, easy to clean, slip-resistant, and contains UV additives for longer outdoor lifespan.

The design makes modular flooring installation easy, while providing the stability of a strong surface. Their strength make these floor plates and ground protection tiles ideal for shop modules, pavilions, and even for building temporary roads that can support heavy vehicle traffic. Road plates and ground protection tiles are the optimal alternative to concrete in the field. And of course, they are perfect for all types and sizes of tents. They are uniquely suited to protect all types of surfaces and are optimal for use.

**FITS ALL SURFACES –
FOR THE BEST RESULTS, ANYWHERE.**



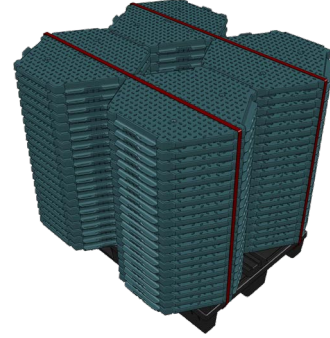
**HEAVY TRUCK AND
EXCAVATOR 25,500 KG**

TECHNICAL INFORMATION



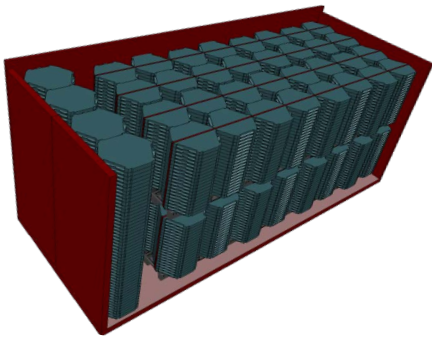
Ground protection floor

100% recyclat material
Weight Load: 20000 Kg / m²
Length: 630 mm
Width: 575 mm
Height: 50mm
Weight: 3,1kg
Colour: Optional
Weight m²: 11.5 kg
Temperature: -30 ° C to + 60



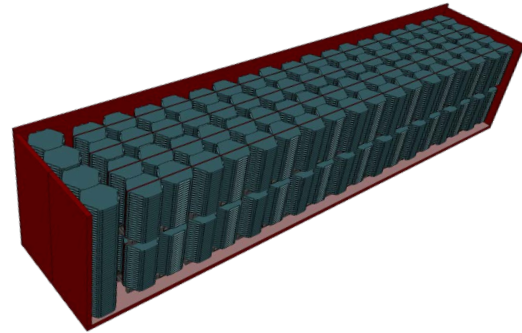
Loading on a pallet 1200 x 1000 x 150 mm:

84 pcs base plates (22.68 m²)
1200 x 1200 x 1200 mm (Length x Width x Height)
Weight pallet: 260,4 kg
Double stack two pallets to a total height of 2400 mm



Loading 20ft container:

1344 pcs base plates (362,88 m²)
Weight container: 1344 pcs x 3,1 kg = 4166,40 kg



Loading 40ft container:

3024 pcs base plates (816,48 m²)
Weight container: 3024 pcs x 3,1 kg = 9374,40 kg



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