

TECHNICAL GUIDE

ACCESSDECK



AccessDeck, panel system for modular access

AccessDeck is a High-Density Polyethylene panel system (HDPE) which allows the circulation of pedestrians, people with reduced mobility and vehicles (handles up to 15 tons/sqm) on soft grounds.



SUMMARY

General Characteristics	02
Product accessories	02
Applications and installation conditions	03
Resistance tests	04
Warranty	05
References	05

GENERAL CHARACTERISTICS

DIMENSIONS / TECHNICAL INFORMATION

Width:	1.00m
Length:	1.50m
Thickness:	15mm
Weight:	21 kg/unit
Load capacity:	15 tons/sqm (AccessDeck panel system eases the circulation of vehicles)
2 colors:	Black
Material:	Molded plastic - High-Density Polyethylene (HDPE)

KEY ADVANTAGES :

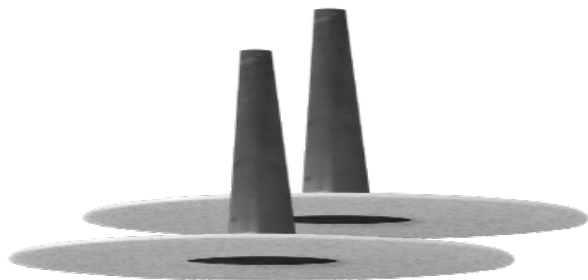
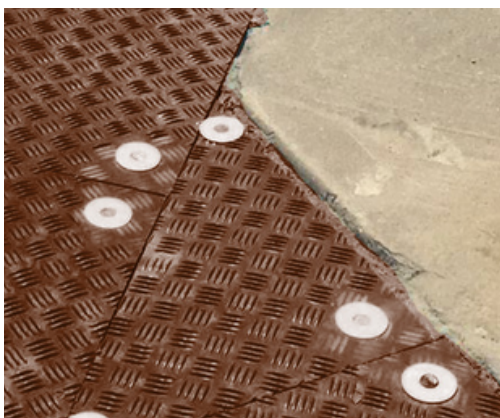
- Reversible: one side suitable for pedestrians, another side suitable for heavy vehicles (such as screeners)
- UV and shocks resistance
- Ideal for sand, grass, gravels and ground
- No maintenance
- Easy to install and remove (see last page for technical guide)
- Anti-slip panel system
- Firm surface
- Long-lasting system and dirt resistance

No particular maintenance is necessary. It is an ideal solution for a temporary use. We can clean the panels with a high-pressure water jet.

PRODUCT ACCESSORIES

Stakes :

Stakes are provided to ease the installation of AccessDeck. Stakes are galvanized and 50 cm long to easily penetrate the soil and the loops.

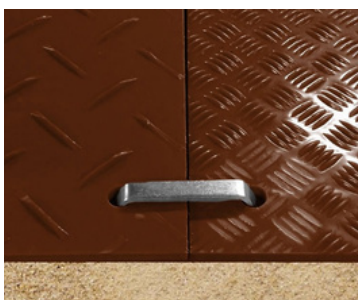


Connectors:

To connect AccessDeck panels together and maintain a firm surface, we provide metal connectors. Stakes are not necessary on firm surfaces. We offer the possibility to cut the panels to adapt to your configuration.

METAL CONNECTORS

**To connect
panels together :**



Double Metal Connectors :



WE ALSO OFFER BOLT CONNECTORS (OPTIONAL)

**Bolt connectors to connect
panels together**



Double Bolt Connectors



APPLICATION AND INSTALLATION CONDITIONS

AccessDeck ensures stability on soft grounds like sand, grass, gravels and snow. They are designed to provide comfort for barefoot users. Pedestrians, people with reduced mobility but also heavy vehicles can circulate on AccessDeck.

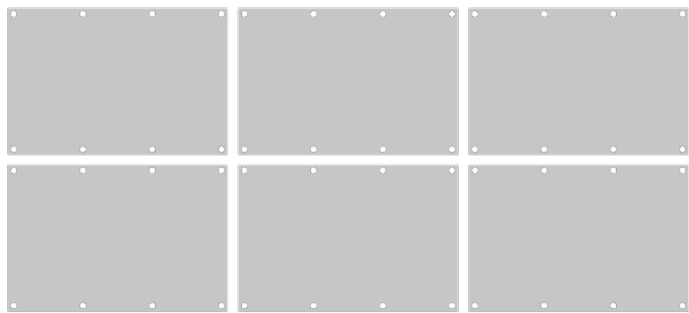
With their 8 holes, the AccessDeck panels offer a great modularity and can be adapted to many configurations: pathways, platforms, crossroads etc. (see patterns below).

AccessDeck can be easily installed by one or two persons: a section of 100 meters long can be installed in 1 hour.

PRECAUTIONS FOR INSTALLATION

Leave a slight space between each plate to anticipate potential expansion

Carry out the installation during the day. In case of installation with too low a temperature (start of the day) the expansion can be much greater

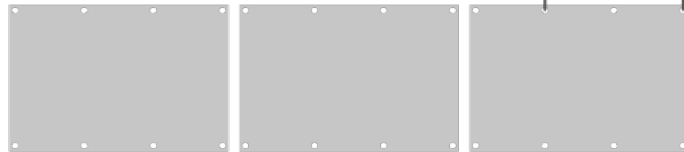


PLATFORM



PATHWAY

Tailor-made cuts can
be done by
AccessRec



TURN

RESISTANCE TESTS

CHEMICAL PROPERTIES:

Density:

0.955 g/cc

Melt Index (condition 190°C/2.16 KILOS):

0.25 g/ 10 minutes

Class of polyethylene:

group 2, class 3, rank 5

MECHANICAL PROPERTIES:

Tensile strength:

27.6 MPa

Elongation at break:

>600%

Tensile IMPact Strength:

147 KJ/m²

Notched Izod IMPact Strength:

159 J/m

Compressive Stress:

10.3 MPa

ESCR, Condition A:

45H

ESCR, Condition B:

35H

Durometer Hardness:

64 Shore D

Coefficient of Friction, Static:

0.31

Coefficient of Friction, Kinetic:

0.22

THERMAL PROPERTIES:

**Coefficient of Linear Thermal
Expansion: Decomposition**

1.26 X 10⁻⁴ cm/cm/°C

Temperature:

345°C

Vicat Softening Temperature:

125°C

Heat Deflection Temperature @66 psi:

77°C

Brittleness Temperature:

<-84°C

Glass Transition Temperature:

-125°C

Continuous Use Temperature:

-73°C to 82°C

Thermal Conductivity:

.35W/m-°K

Burn Rate:

25.4mm/min

Ignition temperature, Flash conditions:

341°C

Flame spread:

98

Smoke Developed:

350

Fire rating:

UL94HB

ELECTRICAL PROPERTIES:

Dielectric Strength:

20.1 KV/mm

Dielectric Constant:

2.35

Volume resistivity:

>6 X 10¹⁵ ohm-cm

WARRANTY

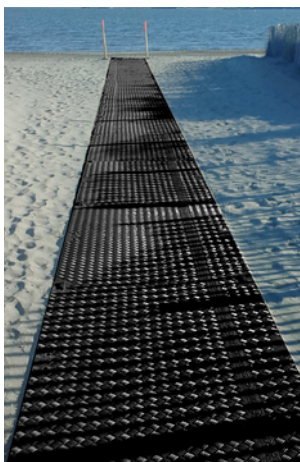
Accessrec Europe offers a two (2) year warranty starting at the date of your Purchase Order. This warranty only covers manufacturing defects of the product. Alterations related to normal use are not considered as manufacturing defects. Damages caused by vandalism or the passage of vehicles (others than the one corresponding to the intended or expected use of the product) are not covered by the warranty.

The warranty does not cover:

- The normal use of AccessDeck
- Improper care, operation, maintenance and storage of AccessDeck.
- An accident or natural disaster.
- Modifications that have been made without written consent of Accessrec Europe.
- Maintenance and transports costs that can be necessary if reparations are required.

If you are not satisfied by the intended conditions or reparations that have been made, please contact directly Accessrec Europe. Products may not be returned without consent from Accessrec Europe. The two (2) year limited warranty is applicable to the original purchaser only.

REFERENCES



AccessDeck, Grau du Roi,
Gard



AccessDeck, New Jersey,
USA

