

Ergonomic

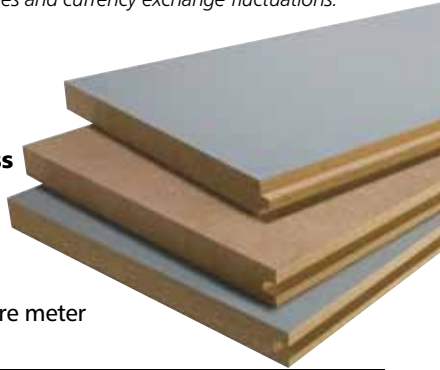
- ResinDek® is more comfortable to walk and work on
- Reduced tibial shock=fewer lost time injuries
- More resilient work surface than bar grate or concrete

Economic

- ResinDek® saves £21 – £35 per square meter vs concrete*
 - ResinDek® saves £14 – £28 per square meter vs bar grate*
- * ResinDek versus concrete savings are based upon actual reported savings in the United States. Results in Europe may vary with freight rates, duties and currency exchange fluctuations.*

Environmental

- ResinDek® is a **Net Energy Producer** (80% more energy at end of life cycle than consumption)
- ResinDek® produces **67% less smog** and **50% less** hydrogen ions than concrete
- ResinDek® is a **carbon negative product** since it absorbs more during its life cycle than it emits
- ResinDek® can take **56 cars off of the road** for 1-year if used instead of concrete on a 4,600 square meter mezzanine



ResinDek® Mezzanine Floor Panels



Finishes Available

Product Name	Live Dead Pallet Jack Limits	Thickness	Unfinished	GDS2	ESD
ResinDek® LD ₅₀	up to 1050 Kgs	13 mm	■	■	■
ResinDek® LD	up to 1150 Kgs	19 mm	■	■	■
ResinDek® MD	up to 1600 Kgs	19 mm	n/a	■	■
ResinDek® HD	up to 2050 Kgs	19 mm	n/a	■	■
ResinDek® MAX	up to 3650 Kgs	38 mm	n/a	■	■
ResinDek® Xspan®	up to 1375 Kgs	28 mm	n/a	■	■

No corrugated steel decking required

Finishes Available

Gray Diamond Seal 2™
ESD Certified Static Control

Options

Invisi-Loc® fasteners
T & G Configurations
No Added Formaldehyde



All ResinDek Products can contribute towards earning points for LEED® qualified buildings.



www.resindek.com



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Mezzanine Flooring

Provides Ergonomic Mezzanine Solutions



ResinDek® **decreases** the risk of work injuries and insurance claims

Concrete and bar grate **increase** the risk of injuries and insurance claims

Concrete and bar grate mezzanine floors increase the risks of:

- Workplace Injuries
- Insurance Claims
- Higher Insurance Rates
- Workforce Absenteeism



Walking on concrete and bar grate flooring is like carrying an extra 5 – 8 kgs compared to ResinDek®.

Ergonomic

Why the Ergonomic performance of your Pick Module, Elevated Platform or Mezzanine flooring should matter to you!

The Warehouse Workforce has a Higher Injury Rate than other occupations

The 2010 Bureau of Labor Statistics show that warehouse injuries are 5.9 per 100 versus 3.6 per 100 in all other occupations. Warehouse injuries are 1.1% of the total workforce.

The Warehouse Workforce is Growing

Warehouse workforce in 2010 was 0.6% of the work population.

Warehouse Injuries and Absenteeism Reduce Productivity

In 2009, 10,100 cases resulted in missed days of work and 95% were related to job injuries.

Almost everyone at some time has experienced pain or discomfort from walking or running on hard surfaces for long periods of time. So the mezzanine work floor you install deserves some thought for productivity, safety, and workforce comfort.

What's even more amazing is that USA industry reports state the annual cost of workplace injuries at about "£116 billion GBP," which is equal to the profits of the top 20 largest USA companies, while workers' compensation is running close to £41 Billion GBP per year (average cost per lost time event in the United States is £17,000).



Field data collected by The Ohio State University's Institute for Ergonomics of walking on bar grate and concrete surfaces produced significantly higher impact forces on the body than ResinDek, resulting in higher risk of injuries and fatigue over time.

Highlights of Research Conducted by Dr. Steve Lavender for The Ohio State University's Institute for Ergonomics

Location of Research: A world leader in 3rd party logistics location and an internationally known apparel retailer location. Both locations that volunteered were in the vicinity of Columbus, Ohio, and were over 46,000 in square meters. The ergonomic test data collected at these two locations was conducted on concrete, bar grate and ResinDek® flooring surfaces.

Testing Parameters:

- 47 volunteers at two different facilities
- Ordinary work routine
- Pedometers collected at the end of an 8 hour shift
- With a 762 mm pace, employees averaged 21,000 steps, or 16.1 kilometers per day!
- Used accelerometers on volunteers
- Measured tibia acceleration on various surfaces and different walking speeds
- Wore their usual work shoes during the collection process (athletic shoes and work boots primarily)



A researcher from The Ohio State University takes tibial shock readings on a ResinDek® mezzanine.

Summary of Biomechanical Analysis of Walking on ResinDek and Other Mezzanine Floors

- Significantly less tibial shock with ResinDek® at work rate walking speed*
 - Concrete increased the tibial shock by 5.4% at the work rate walking speed
 - Bar grate work rate walking pace showed an increased tibial shock rate of 10.6%
- *Work rate walking speed defined as walking 15% faster than an average walking pace.

So what does this really feel like?

When you convert the data from tibia shock force to pounds you can easily see and feel the difference when working all day on ResinDek® compared to concrete or bar grate.

- Working on Concrete is Equal to adding 5 kg. to your body compared to ResinDek®.
- Working on Bar Grate is Equal to adding 8 kg. to your body compared to ResinDek®.

Why would you ever want to *add more weight* to your employees who are already packing, loading and moving products?