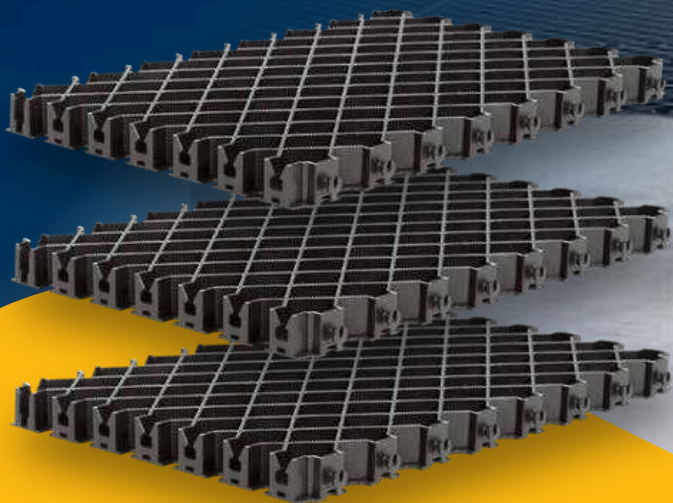




SEVEN STAR
INFRASTRUCTURE PTY LTD

SURFACE STABILISATION & EROSION CONTROL

FOR A SOLID SURFACE
ANYWHERE



**Erosion and
mud control
featuring high
permeability.**

**Easy to install
with lower
maintenance
costs.**

**Sustainable
materials built
tough for heavy
loads.**

**Reduce costs
by up to 75%
vs traditional
surfaces.**



DIAMOND GRID

TM



Mining & Civil



Golf Courses



Rural & Agriculture



National Parks



Residential



Easy to install with lower maintenance costs.

Reduce costs by up to 75% vs traditional surfaces.

Sustainable materials built tough for heavy loads.

Erosion and mud control featuring high permeability.





DIAMOND GRID™

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INFRASTRUCTURE PTY LTD

116B Fifth Avenue,
LLANDILO NSW 2747

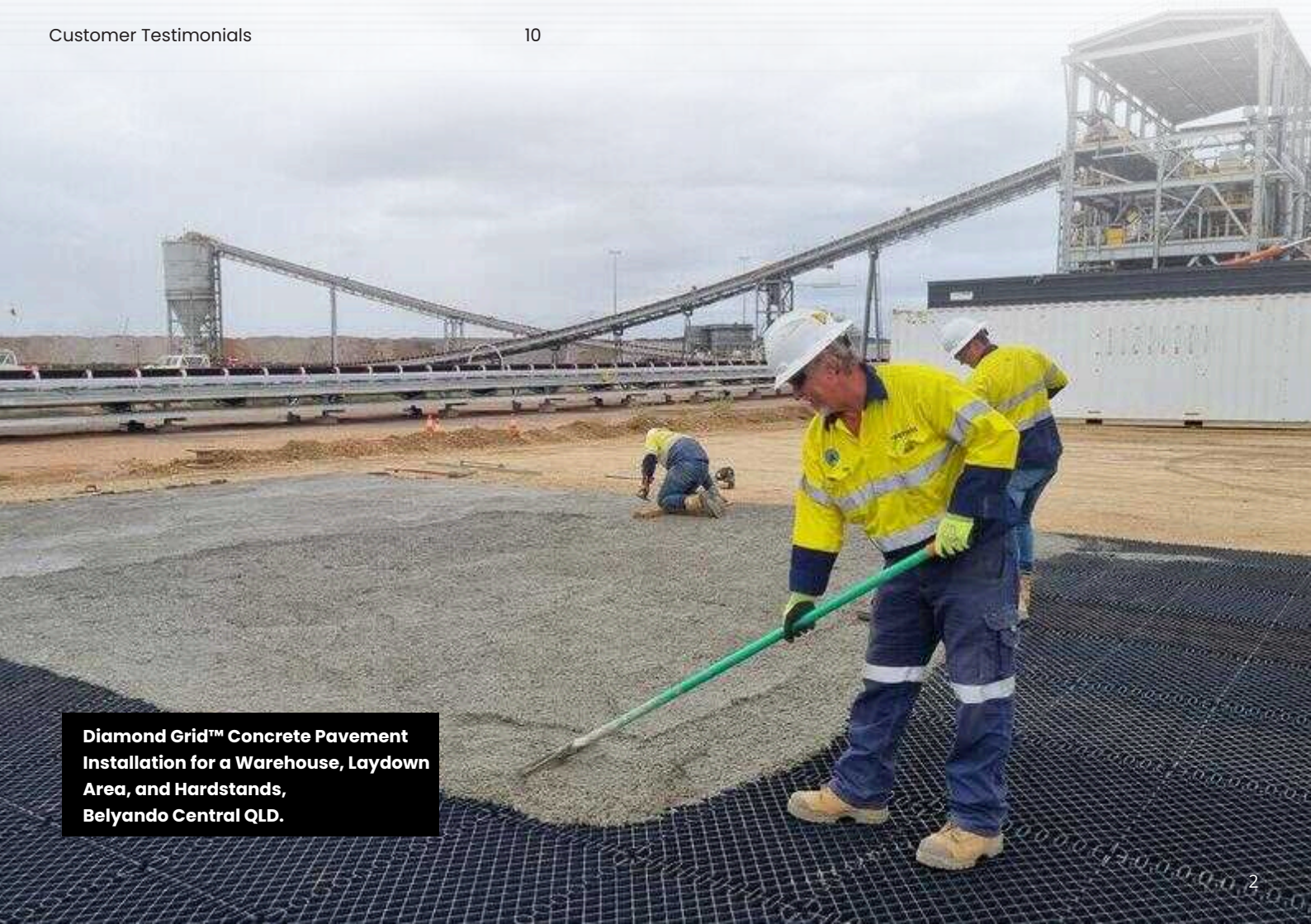
P: 1300 778 277

www.7starinf.com.au

Sales Manager: Darren Hiles

P: 0493 121 036

E: sales@7starinf.com.au



**Diamond Grid™ Concrete Pavement
Installation for a Warehouse, Laydown
Area, and Hardstands,
Belyando Central QLD.**



The strongest surface stabilisation and erosion control system.

For more than 15 years, Diamond Grid™ has been servicing 27 countries around the world, providing erosion and stabilisation control solutions for:



Concrete



Mining & Civil



Golf Courses



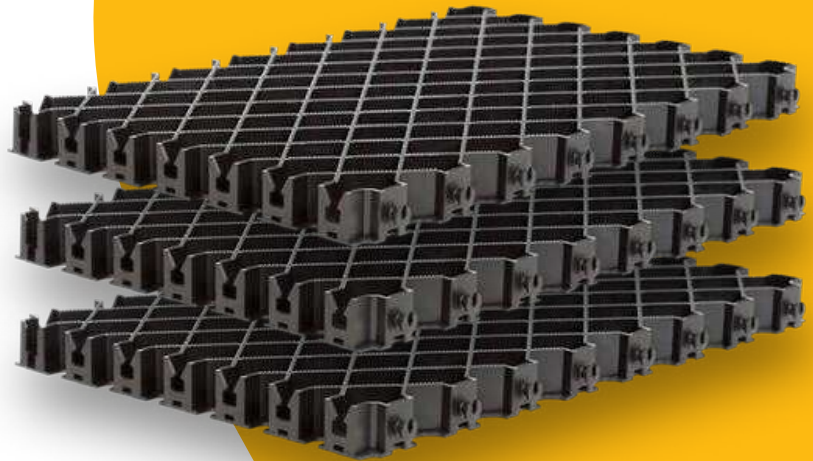
Rural & Agriculture



National Parks



Residential



Diamond Grid™ is a lightweight 100% recycled grid system that is strong and durable. Its diamond pattern and polypropylene material provide excellent strength and load-bearing capacity.

Industries



Mining

HARDSTANDS
HEAVY VEHICLE
WORKSHOPS
SHED FLOORS

ACCESS ROADS
HAUL ROADS
CAMPS & OFFICE
BLOCKS

CAR PARKS
RAILWAY SIDINGS
FIXED PLANT
PAVEMENTS

Product Features and Benefits



Up to 76% less
installation
costs



Eliminate
operational
downtime



Lower
maintenance
costs



Up to
91% less
concrete



Up to 96%
Permeability



Load capacity
7000 tonnes
per sqm²



Made From
100% recycled
plastic



U stabili ed
for harsh
conditions



Reduce your
carbon
footprint



Reduce
subgrade
thickness



Increase
load bearing
capacity



Reduce
maintenance
frequency by
70%



Reduce
maintenance
costs by more
than 75%



Holds the
surface
together for
much greater
periods than
traditional
surfaces



Increase traffic
load without
increasing
pavement
thickness



Minimises
failure due to
semi-rigid
load bearing
capacity



Increase fuel
economy of
vehicles as
they can travel
50-75% faster
one safe level
and solid roads



Elimination
of 90% safety
issues and
vehicles
accidents as
with Diamond
Grid™, roads
& surfaces are
free of potholes
& corrugation



Golf Courses

MACHINERY ROADS
LANDSCAPING
SIDEWALKS
CAR PARKS

CART PATHS
PARKING
CLUB HOUSE
SURROUNDS

BUNKER EDGING
HIGH TRAFFIC
GRASSED AREAS
HARDSTANDS



Rural & Agriculture

MACHINERY ROADS
ACCESS ROADS
DRIVEWAYS
SHED FLOORS

STOCK YARDS
EQUINE
TROUGH PADS
DAY YARDS

HORSE ARENAS
Paddock
SHELTERS
STABLE FLOORS



Residential

DRIVEWAYS
SHED FLOORS
HARDSTANDS

TURF
STABILISATION
PATHWAYS

LANDSCAPING
OUTDOOR AREAS
SIDE ACCESS



National Parks & Reserves

HIGH TRAFFIC
LANDSCAPED
SURROUNDS

TURF
STABILISATION
PATHWAYS

ACCESS ROADS
CAR PARKS





Pavement & Fill Options



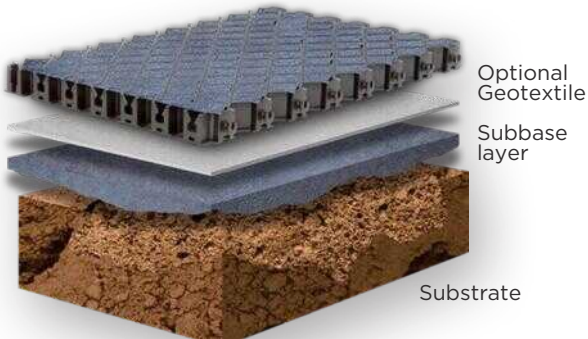
Real Savings

As compared with traditional pavements



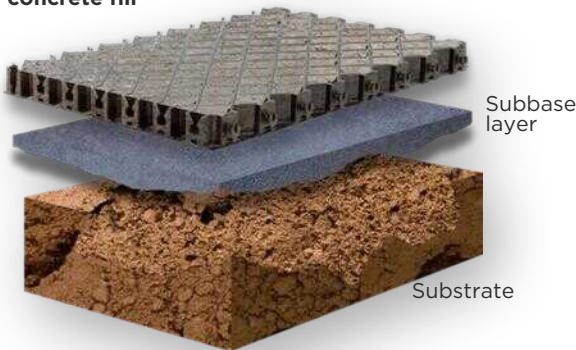
Unbound Permeable Pavements

DiamondGrid™ with 40mm (1.5") aggregate, turf, roadbase, stone or sand fill



Concrete Pavements

Diamond Grid™ with 40mm (1.5") concrete fill



Cost Estimates

Savings*

Up To:

Project Time **77%**

Slab Thickness **90%**

Curing time **96%**

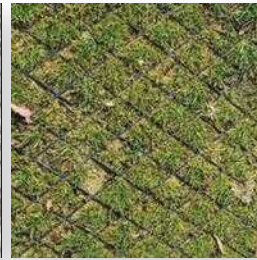
Recycled Plastic Used **100%**

Total Project Savings 76%

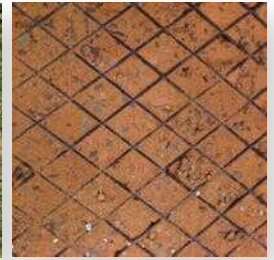
* Calculations as compared to a 400mm traditional concrete slab



Concrete



Turf



Roadbase



Quartz



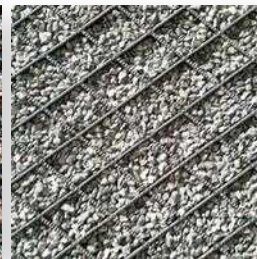
7-12mm stone



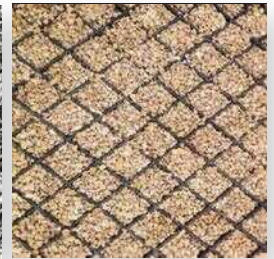
7-12mm stone



7-12mm stone



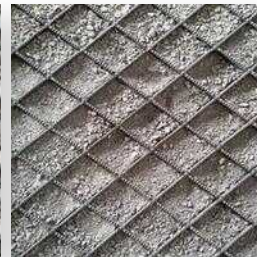
7-12mm stone



7-12mm stone



Cement
Stabilised Sand



Crushed Stone



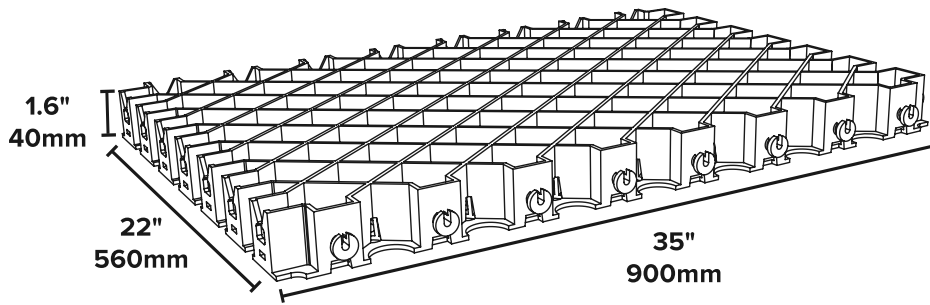
Asphalt

Fill Options

Diamond Grid™ offers the ideal solution with products tailored for a wide range of applications. From gravel-filled access roads and driveways to turf stabilisation for high-traffic areas and concrete pavements for workshop floors and haul roads, we provide the flexibility and reliability needed to meet the demands of any situation.

- ✓ Eliminate operational downtime
- ✓ Fast install with secure interlocking system
- ✓ Unbound pavements provide up to 96% permeability
- ✓ Load capacity up to 7000+ tonnes per m²
- ✓ Reduce ongoing maintenance free from pothole and erosion fatigue
- ✓ Made From 100% recycled plastic

Specifications.



Measurements	35" W x 22" L x 1.6" H – 900mm W x 560mm L x 40mm H
Crush resistance (filled with gravel/road base)	700+ tons/sqft filled – 7000+ tonne m2
Crush resistance (empty grid)	30 tons/sqft empty – 300 tonne m2
Weight per grid	7.05 lbs – 3.2kg
Fill ratio	1 cubic yard of fill per 207.9 square feet – 1 cubic metre of fill per 26m2
Permeability	Up to 96%
Fill	Road base, gravel, pebbles, grass, soil, concrete, asphalt



DIAMOND GRID™



“ Built tough to outlast traditional surfaces ”



UNIVERSITY
OF SOUTHERN
QUEENSLAND



After rigorous research and development and engineering testing performed at world-renowned facilities Diamond Grid™ has now become a global leader with installations across 27 countries.

Technical Benefits.

Surface Consideration:	CONCRETE	CONCRETE SLABS / PAVERS	ASPHALT
Longevity	15-20 years	10-15 years	5-10 years
Materials Required	Cement and steel mesh, framework required	Cement slabs (pre-cast)	Asphalt mixture (tar and aggregate)
Maintenance	Low – prone to cracking and becoming unlevelled	Low – can become cracked and unlevelled	High – Ongoing maintenance, top seal every 2-3 years
Cost & Appearance	Black, uniform, industrial, high cost	Options available at a cost	Uniform, options available at a higher cost
Permeability	N/A	15-30%	N/A
Depth	Varies from 3-11" depending on application	Varies from 4-6" depending on application / loads	Average of 4 – 4.5"
Eco Friendliness	High impact, not recyclable or reusable, high ground runoff, ground suffocated, can generate acid	High impact, not recyclable or reusable, requires waster dump if removed, suffocates ground	High impact if dumped/ removed, uses oil based derivatives, not recyclable or reusable, high ground runoff, ground suffocated



30+ years

100% recycled polypropylene

Very low – May require some gravel or grass maintenance

Variety of fills available at low cost to blend into natural environment
Up to 100%

Varies from 1-2"

Low impact, uses recycled materials, can be moved, reused or replaced, up to 100% permeability, low runoff, ground maintains breath-ability



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DIAMOND GRID™

Diamond Grid™ Across the World.

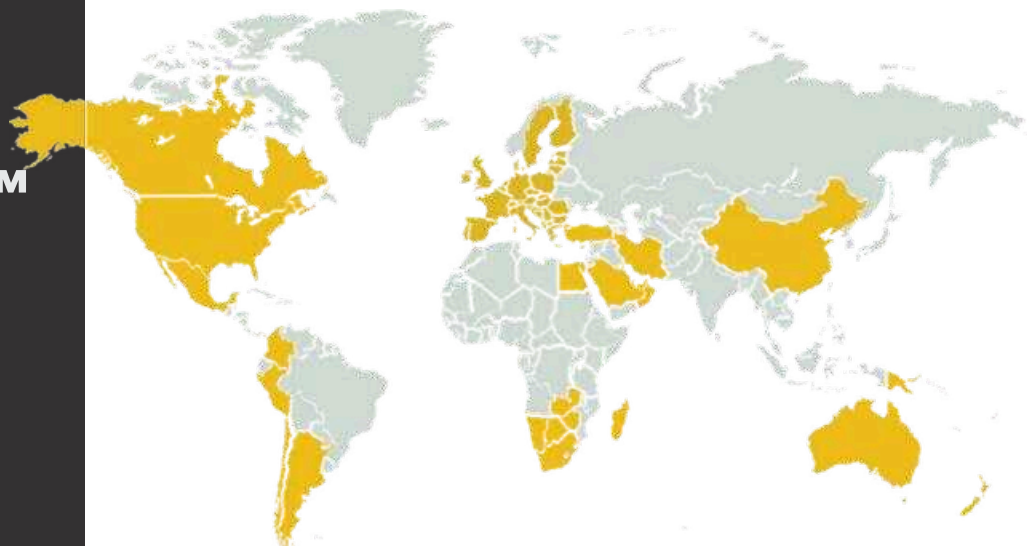
For more than **15 years**, Diamond Grid™ has been a leader internationally, serving in **27 countries** and providing the **strongest innovative erosion and stabilisation control applications.**

Distributors

Australia	Canada
South Africa	Botswana
Namibia	Mexico
Zimbabwe	Colombia
Zambia	Madagascar
Uganda	Chile
United Arab Emirates	Argentina
Turkey	Papua New Guinea
Uganda	Fiji
Uganda	New Zealand
	Egypt
	Saudi Arabia

Manufacturers

Australia	New Zealand
China	Canada
Mexico	United Arab Emirates
USA	Peru
South Africa	



Our partners across various industries have come to depend on Diamond Grid™ for its proven effectiveness in delivering reliable and efficient solutions.

From Mining and Civil infrastructure development to paving roads deep in the jungles of Peru and construction projects across the USA, Diamond Grid™ continues to be the go-to choice for industry professionals seeking superior performance and durability.

Through ongoing collaboration and feedback from our partners, Diamond Grid™ remains committed to meeting the evolving needs of the global market driving innovation and expectations through project outcomes.



Diamond Grid™ Concrete Pavements for a water truck fill point and access roads, Glencore Coal

Case Studies.



Concrete Hardstand

Challenge:

Acost-effective, durable solution to support heavy mining equipment at a heavy haulage facility.

Solution:

Diamond Grid saved 65 over traditional concrete, with a tailored pavement plan, proper subbase prep, and efficient installation.

Outcome:

A robust, low-maintenance surface that handles heavy loads, boosting operational efficiency.

6,000m² (64,583ft²)



Heavy Vehicle Workshop Slab

Challenge:

Adurable workshop floor for heavy mining equipment, facing high costs and long construction times with traditional concrete.

Solution:

Diamond Grid was installed over compacted roadbase, completed in 2-3 days.

Outcome:

Operational within 7 days, reducing costs and disruption.

2,500m² (26,910ft²)



Remote Private Access Road

Challenge:

A350m (1,148ft) sandy road with steep inclines required a durable solution to improve accessibility, withstand harsh weather, and minimize maintenance.

Solution:

Diamond Grid was installed and filled with aggregate enhancing surface stability, load-bearing capacity, and erosion resistance while reducing costs.

Outcome:

Resulting in a quick installation, improved terrain stability, and reduced long-term maintenance.



Golf Course Machinery Road

Challenge:

Areliable solution was needed to support heavy machinery access without damaging the surrounding landscape.

Solution:

Diamond Grid was installed and filled with aggregate, offering a stable, high-permeability surface capable of handling heavy loads while preventing erosion.

Outcome:

A long-lasting, low-maintenance solution that remains resilient since installation, ensuring reliable machinery movement and protecting the course terrain.



Mining Camp & Facility Pathways

Challenge:

High costs, labor shortages, and time constraints made traditional pathways impractical in this remote location.

Solution:

Diamond Grid provided a cost-effective solution, solving labor shortages, material costs and installation time.

Outcome:

Fast installation, while ensuring ongoing high permeability to prevent water pooling and keeping foot traffic out of mud and dirt during wet & dry conditions.



All-Weather Access Road For Rail

Challenge:

Access road along a rail siding to load trains with large forklifts & facilitate truck & freight movements in remote mining country.

Solution:

Diamond Grid, offered a fatigue-free, all-weather surface with significant cost & time savings compared to traditional concrete.

Outcome:

Diamond Grid addressed the challenges of harsh weather, remote location, and high costs, ensuring efficient and reliable freight and equipment movements.

Case Studies.



Cattle Yard / Feed Lot

Challenge:

Adurable, low cost pavement for a feedlot, capable of withstanding heavy livestock traffic and machinery use.

Solution:

Diamond Grid provided a reinforced pavement system, dramatically reducing costs compared to traditional concrete, through careful subbase preparation, strategic placement, and rapid installation.

Outcome:

A resilient, low-maintenance surface that supports heavy loads, and longevity in a high-traffic environment.



Industrial Lay-Down Area

Challenge:

Areliable all-weather pavement for a 12,000m² lay-down area to support heavy machinery and forklifts, minimising downtime.

Solution:

Diamond Grid unbound pavement provided a cost-effective, tough surface with quick installation.

Outcome:

A Low maintenance pavement, operational within 7 days, reducing costs and disruption.

12,000m² (129,166ft²)



Holiday Park Turf Stabilization

Challenge:

Areinforced grass surface to withstand heavy foot and vehicle traffic while maintaining a natural look.

Solution:

Over 1,050m² (11,302ft²) of grass-filled Diamond Grid™ was installed, providing stability, erosion control, and improved drainage.

Outcome:

A long-lasting, low-maintenance surface that preserves natural grass aesthetics while preventing rutting and wear during peak use.



Residential Driveway

Challenge:

Asteep residential driveway leading to a turnaround area, requiring both aesthetic appeal and functional performance.

Solution:

Diamond Grid was filled with aggregate quartz, providing a decorative finish while ensuring high permeability and preventing erosion on the incline.

Outcome:

A visually appealing, stable surface that offers effective drainage, and withstands the weight of vehicles, enhancing both functionality and curb appeal.



Remote Alaskan Access Trail

Challenge:

A reliable trail for walking and riding in remote Alaskan terrain, requiring minimal installation effort and resilience to harsh weather.

Solution:

Diamond Grid was installed without tools, requiring minimal ground preparation while creating a stable surface over uneven terrain.

Outcome:

A low-maintenance, all-weather trail that prevents puddles, provides a smooth ride, and blends naturally into the environment.



CHPP Pavement Solution

Challenge:

Asealed pavement around the fixed plant to improve safety, manage coal spills, and reduce water accumulation with minimal operational disruption.

Solution:

Diamond Grid provided a 78% cost saving over concrete, with quick sectional installation for a sealed, easy-to-clean surface.

Outcome:

A safer, low-maintenance pavement that improved efficiency, reduced cleanup time, and was installed with minimal disruption.

Customer Testimonials.



Queensland Rail

"The help and after-sales service have been incredible, as some of the companies that we deal with just drop you after they have sold you the product, fortunately, this is not the case with **Diamond Grid™**. I would recommend this product to anyone who has any issues with access roads or unstable areas to fix."



Rodney Shea
Coordinator Civil Assets, Queensland Rail

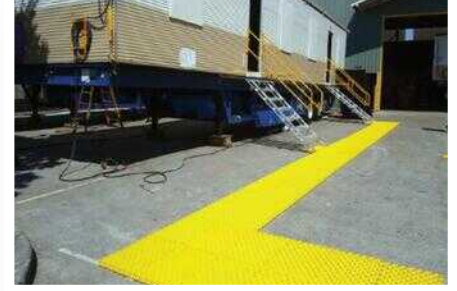


Mandalay Resources

"After initially purchasing **Diamond Grid™** to solve a problem with a single muddy pathway, we have since kept diamond grid in our stores to deal with any paths or road way issues that arise. **Diamond Grid™** has become a critical part of all our infrastructure projects."



Adam Place
Sustainability Manager - Mandalay Resources



Thiess

"**Diamond Grid™** has been installed between some of our offices. The finished surface result was excellent and was very easy to install. We will certainly be ordering some more as required."



Hellen Ballinger
Contracts administrator Lake Vermont Coal Project



Pambula Merimbula

"Our Machinery Access Roads have been going strong since 2015. We are extremely happy with **Diamond Grid™** and will definitely be using it for future projects."



Pat Wilson
Course Superintendent - Pambula Merimbula Golf Club



Tasmania Parks & Wildlife

"After checking how the rejuvenated sections are holding up to the heavy rain, **Diamond Grid™** is performing faultlessly! It's brilliant."

Visitors haven't had a single negative thing to say about it (which is quite frankly, remarkable)."



Ranger
Tasmania Parks & Wildlife Service



Native Village of Mekoryuk

"The **Diamond Grid™** mats required no tools to assemble which resulted in less effort and labor. They were easy to put into place with minimal ground prep. They provide a smoother trail over unimproved terrain and allow rain to pass through preventing puddles."



Barry Whitman
Transportation Coordinator - Native Village of Mekoryuk



Diamond Grid™ over geotextile layer, 12000m² unbound heavy duty pavement

Contact.



116B Fifth Avenue,
LLANDILO NSW 2747

P: 1300 778 277

www.7starinf.com.au

Sales Manager: Darren Hiles

P: 0493 121 036

E: sales@7starinf.com.au



Diamond Grid™
unbound pavement
Golf Cart Pathway

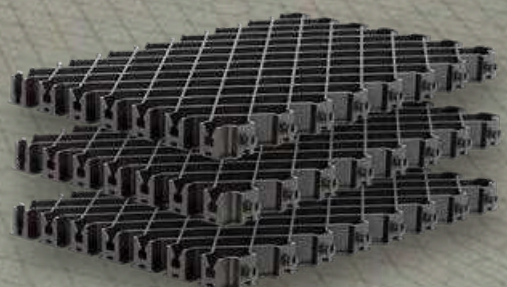


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sales@7starinf.com.au

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