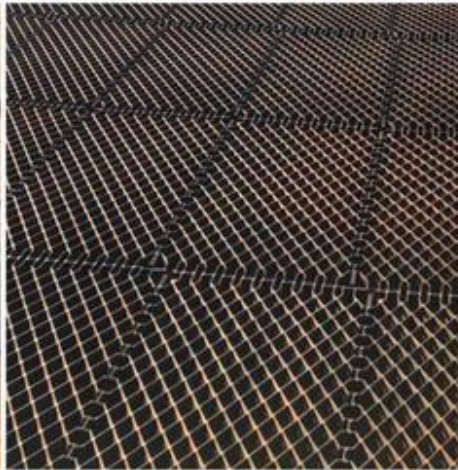




DIAMOND GRIDTM

MINING & CIVIL

FOR A SOLID SURFACE ANYWHERE



**Hardstands
Workshops
Access Roads
Haul Roads
Camps & Office
Blocks**

Concrete Pavements:

Eliminate operational downtime.

Save up to 75% on installation costs compared to traditional concrete pavement.

Drastically reduced curing time, drive on 24 hrs after concrete pour.



**BUILT
TOUGH**

Load capacity up to 7000+ tonnes per m²

Reduce ongoing maintenance requirements with graders, rollers, and water trucks.

Limited disruption to daily operations.



SEVEN STAR
INFRASTRUCTURE PTY LTD



Mining & Civil



DIAMOND GRID™

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SEVEN STAR
INFRASTRUCTURE PTY LTD

116B Fifth Avenue,
LLANDILO NSW 2747

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www.7starinf.com.au

Sales Manager: Darren Hiles

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E: sales@7starinf.com.au

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



Mining & Civil



DIAMOND GRID™

“ 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 for
Mining & Civil.



Concrete Pavements



Hardstand



Workshops & Shed floors



Access Roads



Haul Roads



Camps & Office Blocks



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.



Mining & Civil

Features & Applications.

- ◆ **Hardstands**
- ◆ **Workshops**
- ◆ **Access Roads**
- ◆ **Haul Roads**
- ◆ **Camps & Office Blocks**

Features & Benefits



Up to 75% less installation costs



Eliminate operational downtime



Lower maintenance costs



Up to 91% less concrete



Up to 96% Permeability



Load capacity 7000+ tonnes per m²



Made From 100% recycled plastic



UV stabilised 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



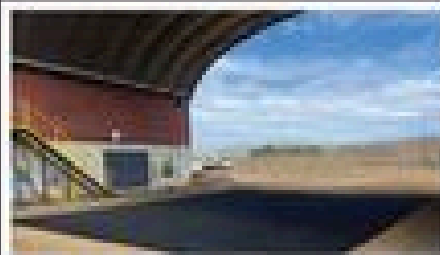
Elimination of 90% safety issues and vehicles accidents as with Diamond Grid™, roads & surfaces are free of potholes & corrugation



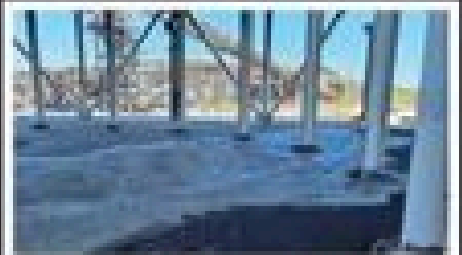
BELYANDO CENTRAL QLD
Warehouse & Laydown Area + Hardstands



BOYNE SMELTER
Laydown Area + Hardstands



BLACKWATER
Satellite Workshop for Heavy Vehicles



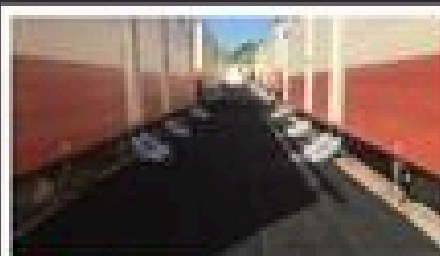
CURRAGH MINE
Concrete Pavements around the fixed plant



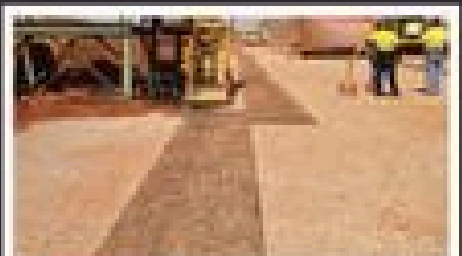
MT ISA - ANTHILL MINE
Heavy Vehicle Workshop Slab



MANGOOLA COAL
Water Truck Fill Point & all weather Access Roads



CHINCHILLA QLD
Workers Camps Pathways



NEWMAN
Camps & Offices

- ✔ Eliminate operational downtime
- ✔ Fast install with secure interlocking system
- ✔ Save up to 76% on installation costs compared to traditional concrete pavement

- ✔ Load capacity up to 7000+ tonnes per m²
- ✔ Reduce ongoing maintenance with graders, rollers and water trucks
- ✔ Limited disruption to daily operations



DIAMOND GRID



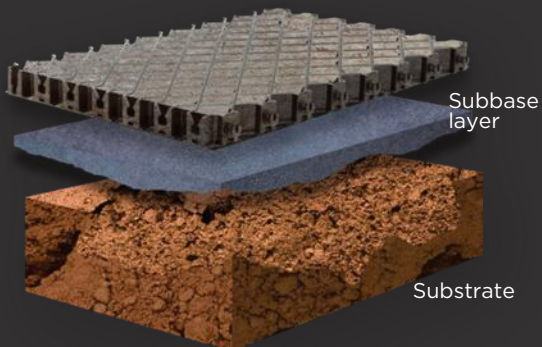
Mining & Civil

Cost Comparison.

Traditional Concrete vs Diamond Grid™



DIAMOND GRID™
Diamond Grid™ with 40mm concrete fill



Cost Estimates

Project Time

Up To:

77%

Slab Thickness

90%

Curing time

96%

Recycled Plastic Used
Total Project Savings

100%

76%

* Calculations as compared to a 400mm traditional concrete slab



GLENCORE COLLINSVILLE COAL

Warehouse & Hardstands



Rio Tinto PILBARA

Access Road and Rail Loading Facility



Wollongong Resources RUSSELL VALE COLLIERY

Underground Decline



FMG CLOUDBREAK MINE WA
Airport Terminal All Pedestrian Access



GLENCORE CLERMONT COAL

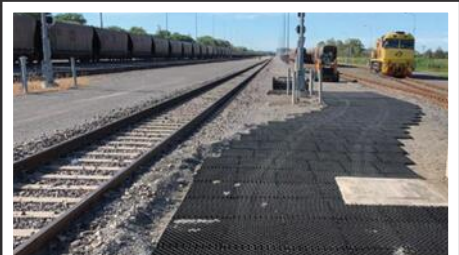
Remote Workshop and Aprons



SFS HEAVY HAULAGE MACKAY QLD
6,000m² Concrete Hardstand



MACKELLAR BLACKWATER QLD
7,600m² Concrete Workshop Pavement



AURIZON HEXHAM NSW
Train Facility Pathways

Reduce total costs by 76% vs traditional concrete

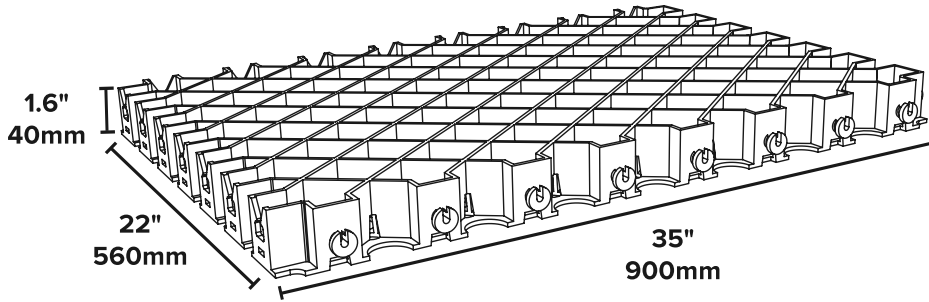
Fast Install eliminate operational downtime

Save up to 90% the cost of a traditional concrete slab



DIAMOND GRID™

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 m ²
Crush resistance (empty grid)	30 tons/sqft empty – 300 tonne m ²
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 26m ²
Permeability	Up to 96%
Fill	Road base, gravel, pebbles, grass, soil, concrete, asphalt

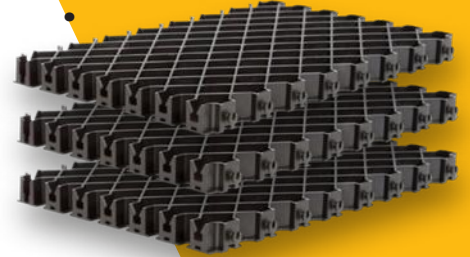


UNIVERSITY
OF SOUTHERN
QUEENSLAND



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.

Mining & Civil's No. 1 Alternative to Traditional Concrete, Asphalt & Bitumen Pavements



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

Diamond Grid™ 15 years working with Mining & Civil

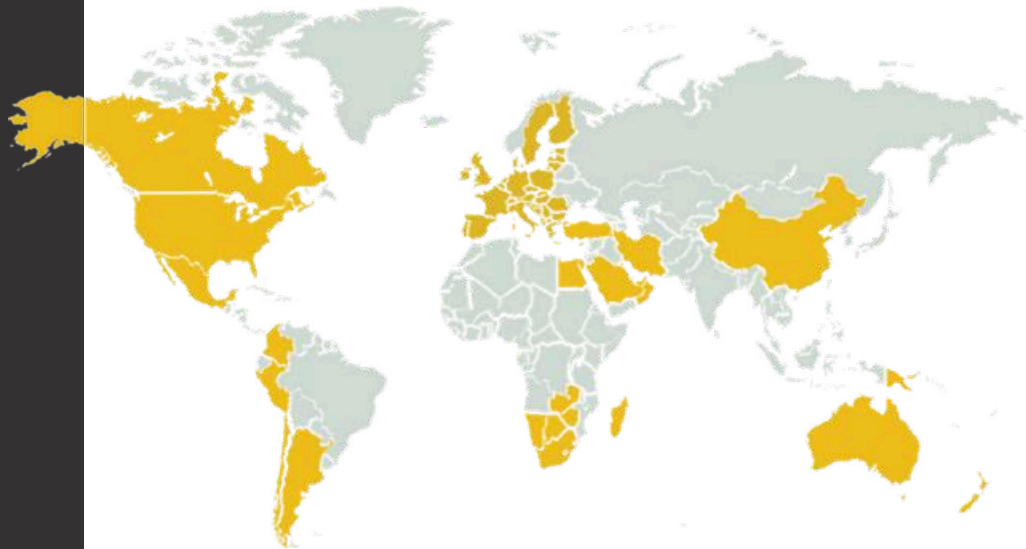
For over a decade, Diamond Grid™ has led globally across 27 countries, offering solutions for Mining & Civil, Agriculture, Rural Areas, Golf Courses, Councils, National Parks and beyond.

Distributors

Australia	Canada
South Africa	USA
Botswana	Mexico
Namibia	Colombia
Zimbabwe	Peru
Zambia	Chile
Madagascar	Argentina
Kuwait	Papua New Guinea,
United Arab Emirates	Fiji
Turkey	New Zealand
Oman	Egypt
Qatar.	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

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

MT Isa - Anthill Mine:
Diamond Grid™ Workshop and
Apron install final stages before
with concrete fill.



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