



GES

GLOBAL ENVIRONMENTAL SOLUTIONS (Aust)

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# DIRTGLUE

Binder Product Range

## **CREATING ECO-FRIENDLY HARD SURFACES**

Working with all Natural  
Aggregate & Stone Insitu from the  
Earth and our Environment.

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# WHY DIRTGLUE?

## “BECAUSE WE CARE FOR OUR ENVIRONMENT”



**DG Poly Pav**  
DGPOLYPAV 36922-A (DGPV-A)

Creating Green Eco-Friendly Hard Surfaces/Pathways

SPECIFICALLY ENGINEERED FOR LIGHT CONSTRUCTION AND HARD PAVEMENT SURFACES

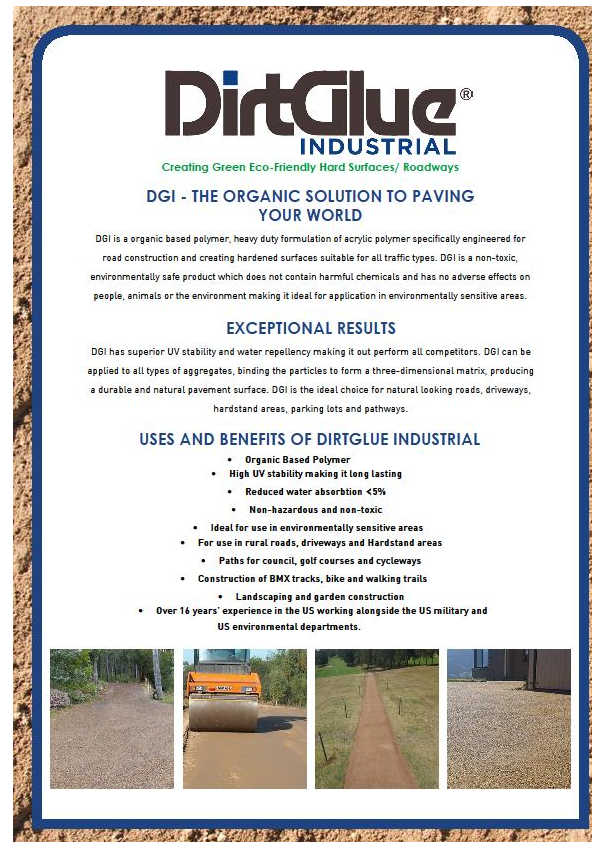
DGPV is a water based formulation of acrylic polymer specifically engineered for pathway and light construction, creating hardened surfaces.

**IDEAL FOR USE ON:**

- PATHWAYS
- TRACKS & TRAILS
- GOLF CART PATHS
- LIGHT TRAFFIC HARDSTANDS
- SOIL STABILISATION/ EROSION CONTROL

 **GES**  
gloables.com.au

20/1000 LITRE



**DirtGlue<sup>®</sup> INDUSTRIAL**  
Creating Green Eco-Friendly Hard Surfaces/ Roadways

DGI - THE ORGANIC SOLUTION TO PAVING YOUR WORLD

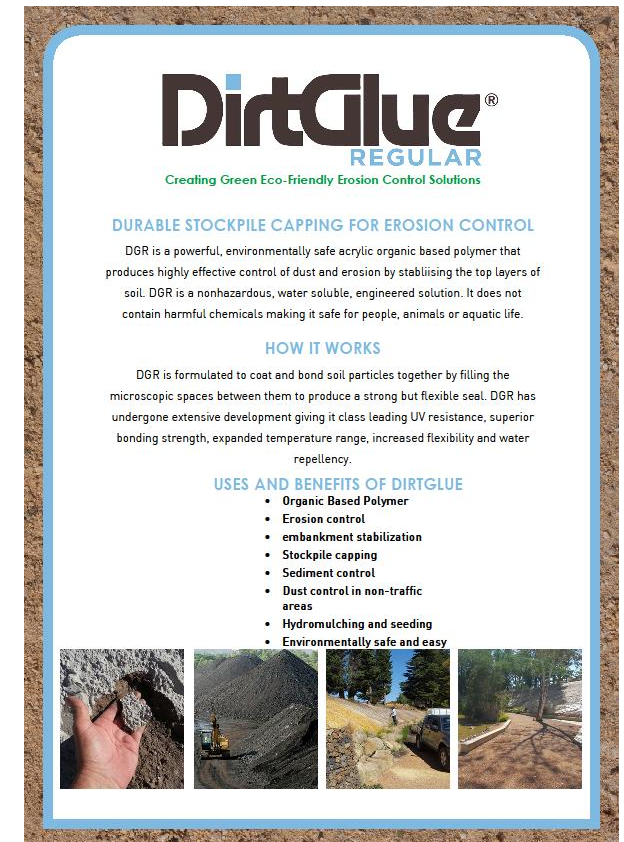

DGI is a organic based polymer, heavy duty formulation of acrylic polymer specifically engineered for road construction and creating hardened surfaces suitable for all traffic types. DGI is a non-toxic, environmentally safe product which does not contain harmful chemicals and has no adverse effects on people, animals or the environment making it ideal for application in environmentally sensitive areas.

**EXCEPTIONAL RESULTS**

DGI has superior UV stability and water repellency making it out perform all competitors. DGI can be applied to all types of aggregates, binding the particles to form a three-dimensional matrix, producing a durable and natural pavement surface. DGI is the ideal choice for natural looking roads, driveways, hardstand areas, parking lots and pathways.

**USES AND BENEFITS OF DIRTGLUE INDUSTRIAL**

- Organic Based Polymer
- High UV stability making it long lasting
- Reduced water absorption <5%
- Non-hazardous and non-toxic
- Ideal for use in environmentally sensitive areas
- For use in rural roads, driveways and Hardstand areas
  - Paths for council, golf courses and cycleways
- Construction of BMX tracks, bike and walking trails
  - Landscaping and garden construction
- Over 16 years' experience in the US working alongside the US military and US environmental departments.



**DirtGlue<sup>®</sup> REGULAR**  
Creating Green Eco-Friendly Erosion Control Solutions

**DURABLE STOCKPILE CAPPING FOR EROSION CONTROL**


DGR is a powerful, environmentally safe acrylic organic based polymer that produces highly effective control of dust and erosion by stabilising the top layers of soil. DGR is a nonhazardous, water soluble, engineered solution. It does not contain harmful chemicals making it safe for people, animals or aquatic life.

**HOW IT WORKS**

DGR is formulated to coat and bond soil particles together by filling the microscopic spaces between them to produce a strong but flexible seal. DGR has undergone extensive development giving it class leading UV resistance, superior bonding strength, expanded temperature range, increased flexibility and water repellency.

**USES AND BENEFITS OF DIRTGLUE**

- Organic Based Polymer
- Erosion control
- embankment stabilization
- Stockpile capping
- Sediment control
- Dust control in non-traffic areas
- Hydromulching and seeding
- Environmentally safe and easy





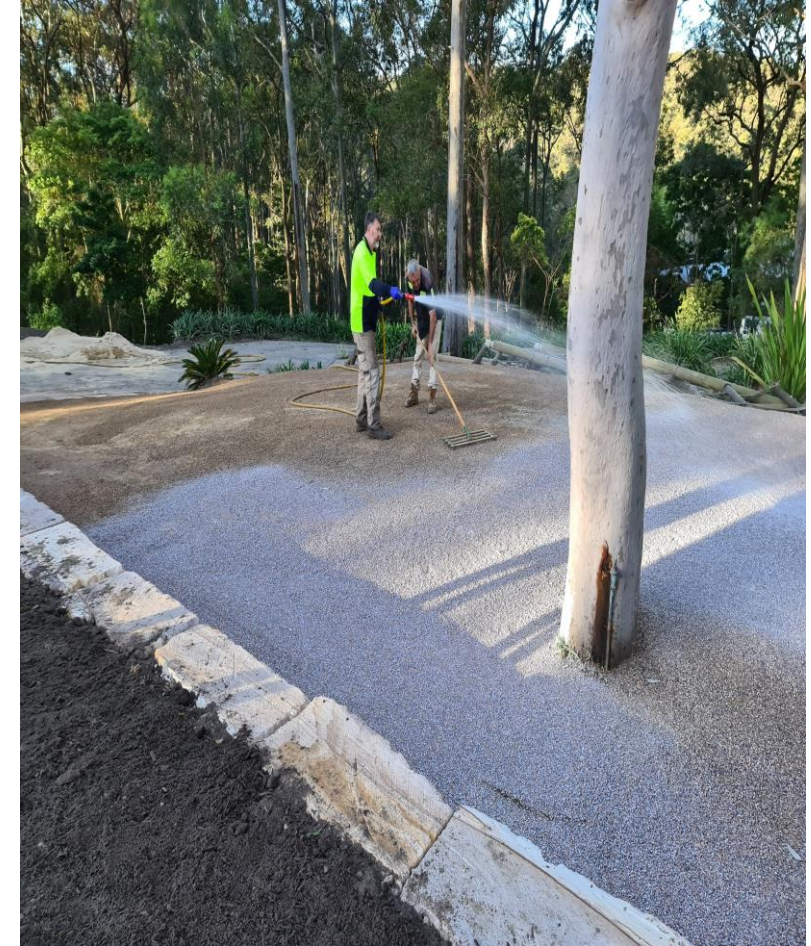
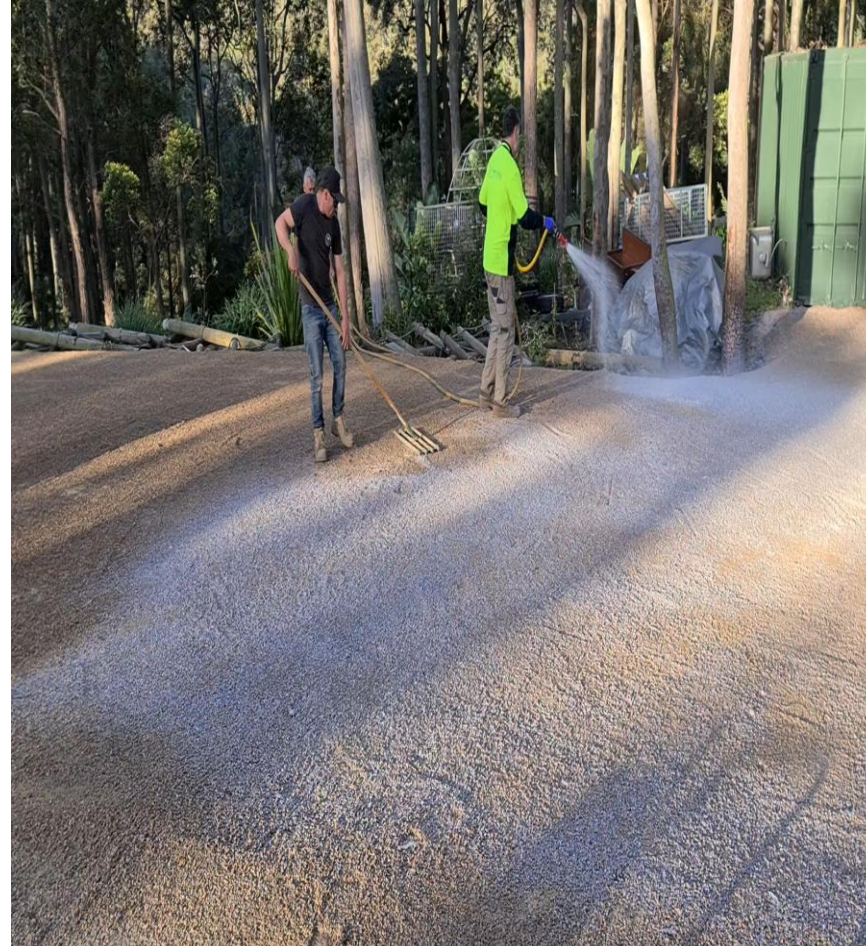
## **GES PRODUCTS CREATING COUNCIL BMX TRACKS FOR THE PUBLIC**





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# USING SURFACE APPLICATION





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# Pathways for Hobart City Council TAS





# CREATING HARD SURFACES FOR NEWCASTLE MINI GOLF NSW





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# Using & Converting River stones into a hard surface





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## APPLICATION OPTIONS: **MIXED IN VS SURFACE APPLICATION**

Both options are Valid, Both are subject to the work & Weight bearing factors you require for Project Specifications to get the final results, Always consult The GES- Tech team to increase your positive outcomes.

**Light Civil Mixed in Equipment:** SKID STEER & HARLEY RAKE Depth range 0 to 200mm The Harley rake application helps you get the DG Binder into the Insitu materials properly, The DG Binder is usually sprayed on by Gravity fed Dribble bars or in larger open areas WaterCart, then mixed, Then Roller with Vibration to the required levels.



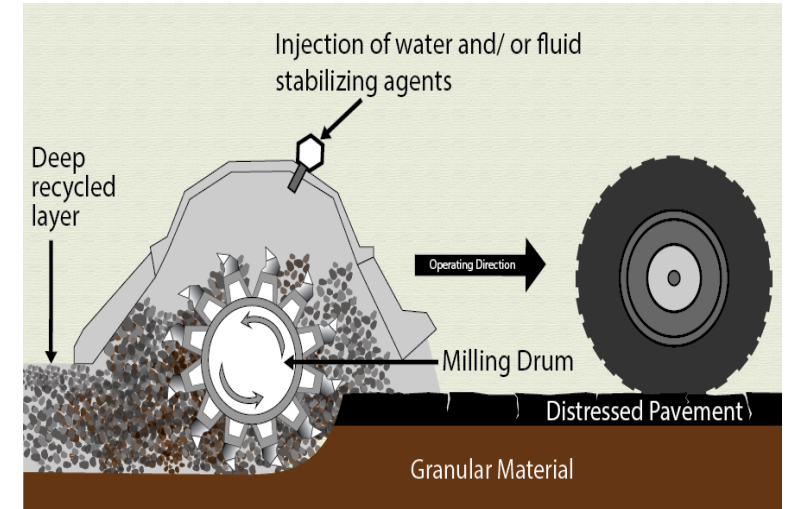


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**MEDIUM CIVIL: MIXED IN PROCESS – USING A PROFILER** Depth Range 200-300mm  
DG Binder is injected through a feeder pipe leading into the internal mixing drum, which increases the highest % of a mixed in process, Then Roller with Vibration and set to the required levels for the project.







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**HEAVY CIVIL CONSTRUCTION**  
**ROADS & HARD STANDS, Mine**  
**Haul Roads, Truck and Bus**  
**Hardstand Parking spaces**

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## **The Benefits of using DirtGlue products**

- # All our products are made with the Environment in mind
- # All Ges Products are made with Green friendly ingredients
- # Our R&D Developed over 30 years, target's to reduce the use of all nasty & Dangerous Chemicals out from our DG Binder product range,
- # All GES Binders are made to work & perform with “All natural Soils & Agreggates insitu from within our Environment to help save the Earth & our Planet”
- # GES Binders are not harmful to Animals, Humans, and Plant life in any way
- # GES Dirtglue Binders – Are not “Permeable”

Once the Product and the Insitu materials have set cured / Hardened / Dried, No leaching from this product will occur.

- # See Hydrophobic statement (Attached)
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## DirtGlue Range of Polymer Binders

### Product Lab Tests; Hard surface & Road Performance

*The Tests show; Wet Vs Dry Vs Water-Proofing % – DGI's **Water Resistance Abilities***

Geographic Soil Source	Compressive Strength PSI / (Mpa)		Water Absorption
	Dry	Wet	%
British Virgin Islands	> 3000 / (20.7)	> 3000 / (20.7)	0.9
Jamaica	> 3000 / (20.7)	> 3000 / (20.7)	2.5
Muscat, Oman	> 2800 / (19.3)	> 1300 / (9.0)	8.8
Al-Ansorb, Oman	> 3000 / (20.7)	> 2700 / (18.6)	1.2
Massachusetts, USA	> 3000 / (20.7)	> 3000 / (20.7)	2.2
Newcastle NSW, Aust	> 3000 / (20.7)	> 1900 / (13.1)	2.8



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## OUR TRADE REFERENCES

- # **Hobart City Council** – Wine Glass Tracks & Trails / Pathways & Walking tracks
  - # **Launceston City** – Council Natural Parkland Carparks Tracks & Trails
  - # **Perth City Council** (Multiple Councils through out WA)
  - # **Mt Kosciuszko** – Parks & Wild Life, Walking Pathway stabilization
  - # **Sydney City Council** – Flower gardens Ku-Ring-Gai / St Ives, All Natural Pathways & Stabilization
  - # **Sydney Olympic Park** – Pools Gardens & Natural Car Parks
  - # **John Holland Grp** – Railway station & Maintenance Div, and Contaminated site control
  - # **NewCastle Airport** – Darracon Civil / Harsh Chemical Contamination Control
  - # **Merriweather Golf Club** – Golf Cart Pathways & Bunkers
  - # **Newcastle Golf Club** – Bunkers & Pathways
  - # **Nelson Bay Golf Club** – Golf Cart Pathways
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