



The UK's **leading supplier** of specialist dried decorative aggregates into the **Resin Surfacing industry**.

MORE THAN 150 YEARS OF EXPERTISE

Long Rake Spar have gained national and worldwide status as a leading supplier of specialist decorative aggregates to the resin surfacing industry. The Grantex range is a comprehensive selection of natural coloured aggregates, available in numerous sizes and offering the most extensive range of functional and aesthetic finishes for all industry sectors.

The flexibility and suitability of our products enables them to encompass a broad scope of projects from small domestic resin bound systems to large highway schemes where safety, endurance and performance are imperative. Our products are expertly sourced from sites around the world and are imported to our UK processing facilities where they are washed, dried and screened to produce the highest specification dried aggregate granules.

The continuity and quality assurance of our products and supply chain has been a key factor in developing long lasting relationships with our customers. We continuously strive to introduce new products to the industry whilst developing and improving the sustainability of our product sources, environmental impact and working processes.

ENVIRONMENTAL POLICY

Our environmental policy dictates that we only supply ethically sourced materials from sustainable deposits being operated within current legislative and ecological parameters. We also undertake to source recycled products or industrial bi-products for relevant applications wherever possible.

ISO CERTIFICATION

Long Rake Spar have recently gained ISO 9001: 2015 certification for the wholesale of decorative aggregates including fine grade aggregates for anti-skid. This quality management system ensures consistency of both our products and service levels and displays our commitment to achieving the highest levels of customer service.

Certifications and Accreditations:



150 Years of Service



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Flintag[®]

Anti-Slip Coatings for more details please speak to a member of our technical team.



Our thanks go to **Addagrip**, **Cirencester Civil Engineering**, **Ronacrete**, **SureSet**, **Total Protection** and **Triflex** for the use of their images in the production of this brochure.



INDUSTRY SECTORS

Grantex Resin Bound and Bonded

Highly decorative products are used within resin bound and bonded surfacing schemes where a seamless slip resistant finish is required that is both hard wearing and aesthetically pleasing. This decorative range of products is promoted extensively through contractors, resin manufacturers and surfacing companies who combine all the relative components to provide resin bound or bonded surfacing schemes to architects, specifiers and members of the public.



High Friction Surfacing

A range of Bauxites, Granites, Basalts and Slags are available in various colours and grades, providing a wide selection of high PSV products suited to high friction anti-skid surfacing, traffic calming and lane demarcation schemes. Our products are also used within Bridge Jointing repairs where a larger grade of chipping with high strength and durability values are required.



SightGRIP Colour Coated Aggregates

Our colour coated SightGRIP range encompasses a variety of aggregate granules. We have several gradings available and an expansive range of vibrant colours.



Internal Resin Flooring

A selection of closely sized quartz granules and specialist sands are utilised in resin flooring for both internal and external applications, where a seamless hard wearing finish is required. Resin flooring is becoming increasingly popular in both industrial and commercial markets, due to its hygienic, slip-resistant and decorative finish, available in a large choice of colours.



Stone Carpet

Our products are used to create an attractive coloured stone floor which provides a highly decorative, textured surface.

Product Conformity

All product images displayed in this product brochure are displayed wet to simulate their appearance when used in resin. Please note that whilst every care is taken to provide an exact indication of the colours of our products, these aggregates are naturally found products which may be **subject to changes in appearance, colour and size** between process batches. It is therefore strongly recommended to request a product sample prior to any work being undertaken.



TECHNICAL DATA EXPLAINED

Our extensive product selection offers a vast choice of colours, sizes, textures and decorative finishes for the resin surfacing industry. However as products encompass varied market sectors, it is important to understand the part aggregates play in ensuring the suitability, performance and life expectancy of the finished surface. Where applicable, industry recognised full technical data is supplied and listed for the majority of our products. A brief explanation of these industry standards are listed below. To further assist as a guide to the products' suitability, and where industry data is not available, we have included a number index rating between 1 and 5 for all of our products, defined in the table below.

PSV = Polished Stone Value

The resistance of an aggregate to polishing and therefore a measure of skid resistance. PSV should not be viewed in isolation as aggregates with a high PSV may be likely to abrade easily (high AAV). PSV values in excess of 58 are generally acceptable for highway wearing courses.

SRV = Skid Resistance Value

A measure of the skid resistance of aggregate within the texture of a system. The greater the value the higher the skid resistance.

AAV = Aggregate Abrasion Value

The resistance of an aggregate to abrasion. The lower the AAV, the more resistant the aggregate is to wearing. Values of less than 16 are acceptable for highway wearing courses.

AIV = Aggregate Impact Value

The resistance of an aggregate to impact stress produced from a moving vehicle. Values of less than 20 are acceptable for highway wearing courses.

ACV = Aggregate Crushing Value

The resistance of an aggregate to crushing. The lower the ACV the more resistant the aggregate is to crushing.

LA = Los Angeles Coefficient

The resistance of fragmentation is a measure of the toughness of an aggregate and is viewed as a representative measure of both degradation and crushing stress values. Values less than 30 are acceptable for highway wearing courses.

Performance Index



Product only suited for use within bound systems, for foot traffic use.



Product suited to all bound systems and bonded systems primarily for foot trafficked areas or areas of occasional domestic, light traffic.



Product suited to all bound systems and bonded systems subject to a medium degree of vehicular traffic, including vans but not heavy goods.



Product suited to all bound systems and bonded systems subject to heavy wear from continual traffic including vans but not heavy goods.



Product suited to all bound systems and bonded systems subject to heavy wear from all forms of transport including heavy goods.

Suitability Note

Some of the gravel and shingle supplied may occasionally contain very minor concentrations of iron minerals, which upon weathering may result in areas of rust staining. These iron minerals occur naturally within the gravel deposits and Long Rake Spar cannot be held responsible for any loss or damage suffered as a result of rust staining. By way of guidance to users of our products we have included the risk of iron staining (RIS) assessment on our range of gravels and shingles. This guide is purely a subjective assessment, based on our own experience with these products and may be subject to change as our database expands.

This scale is defined as follows:

- * No likelihood of any rust staining
- ** No previous recorded instances of rust staining within this product
- *** Potential for rust staining within this rock type with recorded instances.

Packaging

We supply our products in various bag weights to assist with the formulation of composite batches and to meet the demands of various resin systems. Our products are also available in bulk bags or tanker loads, subject to prior arrangement.

Technical Data Sheets

We supply full technical data, including grading, physical and chemical analysis on our full product range which can be downloaded directly from our website or requested via a member of our sales team.



RESIN BOUND AND BONDED



AMBER GOLD



Size: 1-4mm	PSV: 54 Est
Durability: Moh 6	RIS: ***
Rock Type: Flint Shingle	Shape: Angular
Performance:	

AUTUMN GOLD



Size: 1-2,2-5mm	PSV: 54 Est
Durability: Moh 7 Est	RIS: **
Rock Type: Quartz	Shape: Angular
Performance:	

AUTUMN QUARTZ



Size: 0.2-0.9,1-3,2-5mm	PSV: 54 Est
Durability: LA 38	RIS: **
Rock Type: Quartz	Shape: Angular
Performance:	

BALTIC BLUE



Size: 1-3mm	PSV: 66
Durability: Moh 7	RIS: *
Rock Type: Greywacke	Shape: Angular
Performance:	

BEIGE MARBLE



Size: 2-5mm	PSV: N/A
Durability: Moh 4	RIS: *
Rock Type: Marble	Shape: Angular
Performance:	

BLACK BASALT



Size: 1-3,2-5mm	PSV: 60
Durability: LA 18	RIS: *
Rock Type: Basalt	Shape: Angular
Performance:	

BRITTANY BRONZE



Size: 0.2-0.9,1-3,2-5,6-10mm	PSV: 50 Est
Durability: Moh 6	RIS: ***
Rock Type: Quartzite	Shape: Well Rounded
Performance:	

CHINO CREAM



Size: 1-3,2-5mm	PSV: N/A
Durability: Moh 4	RIS: *
Rock Type: Marble	Shape: Angular
Performance:	

CORN FLINT



Size: 2-5,6-10mm	PSV: 35 Est
Durability: Moh 6	RIS: ***
Rock Type: Marine Flint Shingle	Shape: Angular/Smooth
Performance:	



DANISH QUARTZ



Size: 1-3,2-5,6-10mm	PSV: 50 Est
Durability: Moh 7	RIS: ***
Rock Type: Quartz	Shape: Rounded
Performance:	

DOBBSWEIR



Size: 3-6mm	PSV: 35 Est
Durability: Moh 6	RIS: **
Rock Type: Quartzite	Shape: Angular
Performance:	

DORSET GOLD



Size: 1-2,2-5,6-10mm	PSV: N/A
Durability: Moh 7	RIS: **
Rock Type: Quartzite	Shape: Well Rounded
Performance:	

GOLDEN QUARTZ



Size: 1-2,2-5mm	PSV: 50 Est
Durability: Moh 7	RIS: **
Rock Type: Quartz	Shape: Slightly Rounded
Performance:	

GREEN GRANITE



Size: 1-3mm	PSV: 67
Durability: LA 10	RIS: *
Rock Type: Diabase	Shape: Angular
Performance:	

PROMOTIONAL SUPPORT

Our Marketing Department are responsible for producing a wide range of promotional material to support and enhance the sales of our products. For more information please contact a member of our sales team.

SAMPLES



SAMPLE BOXES



SAMPLE FOLDER



RESIN BOUND AND BONDED



GREEN GRANITE



Size: 2-5mm	PSV: 62
Durability: AAV 6.6	RIS: *
Rock Type: Granite	Shape: Angular
Performance:	

JEREZ YELLOW



Size: 1-3mm	PSV: N/A
Durability: Moh 4	RIS: *
Rock Type: Marble	Shape: Angular
Performance:	

RED GRANITE



Size: 0.2-0.9, 1-3, 2-5, 6-10mm	PSV: 53
Durability: AAV 2	RIS: *
Rock Type: Granite	Shape: Angular
Performance:	





RHINE GOLD



Size: 2-5,6-10mm	PSV: 50 Est
Durability: Moh 7	RIS: **
Rock Type: Quartz	Shape: Semi Rounded
Performance:	

SILVER BLUE



Size: 0.2-0.9,1-3,2-5mm	PSV: 54
Durability: Moh 7	RIS: *
Rock Type: Granite	Shape: Angular
Performance:	

SILVER GREY



Size: 0.2-0.9,1-3,2-5,6-10mm	PSV: 54
Durability: LA 28	RIS: *
Rock Type: Granite	Shape: Angular
Performance:	



TRENT PEA GRAVEL



Size: 3-6,6-10mm	PSV: N/A
Durability: LA 21	RIS: ***
Rock Type: Alluvial Quartzite Shingle	Shape: Mainly Rounded
Performance:	

WINTER QUARTZ



Size: 1-3,2-5mm	PSV: 54
Durability: LA 38	RIS: **
Rock Type: Quartz	Shape: Angular
Performance:	

WHITE DOLOMITE GRANULES



Size: 1-2mm	PSV: N/A
Durability: Moh 3	RIS: *
Rock Type: Dolomite	Shape: Angular
Performance:	

WHITE GRIP cckc



Size: 0.5-1,1-2,1-3mm	PSV: 78
Durability: Moh 8	RIS: *
Rock Type: Calcined Kaolinite	Shape: Angular
Performance:	

AGGREGATES FOR TREE PITS & POROUS SYSTEMS



BRITTANY BRONZE



Size: 6-10mm	PSV: 50 Est
Durability: Moh 6	RIS: ***
Rock Type: Quartzite	Shape: Well Rounded
Performance:	

CORN FLINT



Size: 6-10mm	PSV: 35 Est
Durability: Moh 6	RIS: ***
Rock Type: Marine Flint Shingle	Shape: Angular/Smooth
Performance:	

DANISH QUARTZ



Size: 6-10mm	PSV: 50 Est
Durability: Moh 7	RIS: ***
Rock Type: Quartz	Shape: Rounded
Performance:	

DORSET GOLD



Size: 6-10mm	PSV: N/A
Durability: Moh 7	RIS: **
Rock Type: Quartzite	Shape: Well Rounded
Performance:	

RED GRANITE



Size: 6-10mm	PSV: 53
Durability: AAV 2	RIS: *
Rock Type: Granite	Shape: Angular
Performance:	



All of these gravels create an open texture that enables water to penetrate through the exterior surface, making it a fully porous system which is SuDS compliant.



RHINE GOLD



Size: 6-10mm	PSV: 50 Est
Durability: Moh 7	RIS: **
Rock Type: Quartz	Shape: Semi-Rounded
Performance:	

SILVER GREY



Size: 6-10mm	PSV: 54
Durability: AAV 3.3	RIS: *
Rock Type: Granite	Shape: Angular
Performance:	

TRENT PEA GRAVEL



Size: 6-10mm	PSV: N/A
Durability: LA 21	RIS: ***
Rock Type: Alluvial Quartzite Shingle	Shape: Mainly Rounded
Performance:	



SANDS AND POWDERS



SILICA SAND 8/16



Size: 1-2mm	PSV: N/A
Durability: Moh 7	RIS: *
Rock Type: Silica Sand	Shape: Semi-Rounded
Performance: N/A	

SILICA SAND 16/30



Size: 0.5-1mm	PSV: N/A
Durability: Moh 7	RIS: *
Rock Type: Silica Sand	Shape: Semi-Rounded
Performance: N/A	

SILICA SAND 30



Size: 0.3-0.5mm	PSV: N/A
Durability: Moh 7	RIS: *
Rock Type: Silica Sand	Shape: Semi-Rounded
Performance: N/A	

SILICA SAND 52



Size: 0.2-0.4mm	PSV: N/A
Durability: Moh 7	RIS: *
Rock Type: Silica Sand	Shape: Semi-Rounded
Performance: N/A	

SILICA SAND 95



Size: 0.1-0.2mm	PSV: N/A
Durability: Moh 7	RIS: *
Rock Type: Silica Sand	Shape: Semi-Rounded
Performance: N/A	

SILICA SAND 110



Size: 0.075-0.2mm	PSV: N/A
Durability: Moh 7	RIS: *
Rock Type: Silica Sand	Shape: Semi-Rounded
Performance: N/A	

GLASS GRIT



Size: 0.2-0.6mm	PSV: N/A
Durability: Moh 4	RIS: *
Rock Type: Glass	Shape: Semi-Rounded
Performance: N/A	





QUARTZ SAND



Size: 0.3-0.8, 0.7-1.2mm	PSV: 50 Est
Durability: Moh 7	RIS: *
Rock Type: Quartz Sand	Shape: Semi-Rounded
Performance: N/A	

WHITE DOLOMITE FINES



Size: 0-1mm	PSV: N/A
Durability: Moh 3	RIS: ***
Rock Type: Dolomite	Shape: Angular
Performance: N/A	Brightness: 96



AGGREGATES FOR HIGHWAYS & ANTI-SKID



BALTIC BLUE



Size: 1-3mm	PSV: 66
Durability: Moh 7	RIS: *
Rock Type: Greywacke	Shape: Angular
Performance:	

BLACK BASALT



Size: 1-3,2-5mm	PSV: 60
Durability: LA 18	RIS: *
Rock Type: Basalt	Shape: Angular
Performance:	

CHINESE BAUXITE BUFF



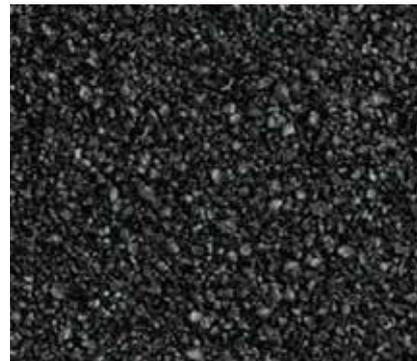
Size: 0.9-1.4,1-3mm	PSV: 72
Durability: Moh 9	RIS: *
Rock Type: Calcined Bauxite	Shape: Angular
Performance:	

CHINESE BAUXITE GREY



Size: 0.9-1.4,1-3mm	PSV: 72
Durability: Moh 9	RIS: *
Rock Type: Calcined Bauxite	Shape: Angular
Performance:	

COPPER SLAG



Size: 0.2-0.7,1-2mm	PSV: 76 SRV
Durability: Moh 7	RIS: *
Rock Type: Iron Silicate	Shape: Angular
Performance:	

GREEN GRANITE



Size: 1-3mm	PSV: 67/62
Durability: LA 10/AAV 7	RIS: *
Rock Type: Diabase, Dolerite	Shape: Angular
Performance:	





GUYANAN BAUXITE



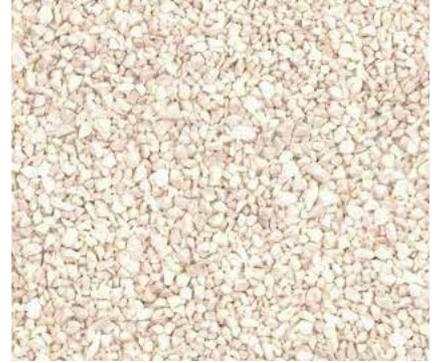
Size: 0.5-1,0.9-1.4,1-3mm	PSV: 72
Durability: Moh 9	RIS: *
Rock Type: Calcined Bauxite	Shape: Angular
Performance:	

RED GRANITE



Size: 0.2-0.9,1-3,2-5,6-10mm	PSV: 53
Durability: AAV 2	RIS: *
Rock Type: Granite	Shape: Angular
Performance:	

WHITE GRIP CCKC



Size: 0.5-1,1-2,1-3mm	PSV: 78
Durability: Moh 8	RIS: *
Rock Type: Calcined Kaolinite	Shape: Angular
Performance:	



SightGRIP COLOUR COATED AGGREGATES



Colour Coated Aggregates for Demarcation Applications

A selection of high specification pigmented aggregate granules are supplied into traffic demarcation applications in both foot and road grade. These core industry colours can be replicated onto a selection of Bauxites, high performance Granites or White Grip, all giving slightly different colour density and performance values. Slight variations in colour may result from the inherent colour difference in the naturally occurring base material.

Product Information Table

Product	Size	PSV	AAV
Baltic Blue	1-3mm	66	N/A
Buff Chinese Bauxite	0.9-1.4, 1-3mm	72	4
Grey Chinese Bauxite	0.9-1.4, 1-3mm	72	4
RASC Guyanan Bauxite	0.5-1, 0.9-1.4, 1-3mm	72	7.7
Granite	1-3, 2-5mm	54-67	1.3
White Grip	0.5-1, 1-2, 1-3mm	78	0.4

BEST SELLING COLOURS ON GRANITES more colours available call for more details

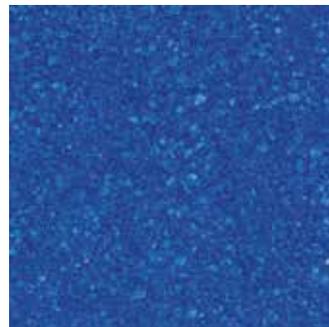
RED



JADE GREEN



SKY BLUE



BLACK

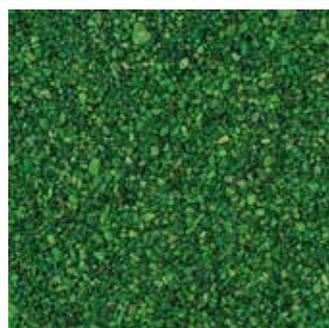


BEST SELLING COLOURS ON BAUXITES more colours available call for more details

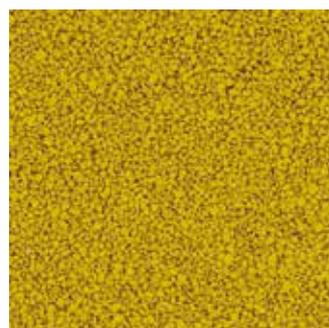
BOLD RED



JADE GREEN



YELLOW



BLACK





COLOURED AGGREGATES FOR DECORATIVE SURFACING

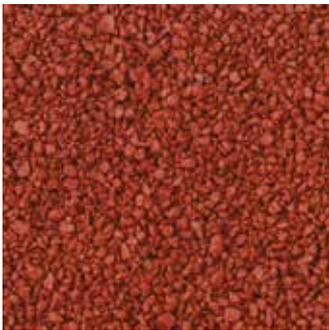
 more colours available
call for more details

Sight **GRIP**

Size: 0.3-0.8, 0.7-1.2, 1-3, 2-5mm	PSV: 54
Durability: Moh 7	Shape: Angular
Rock Type: Quartz	RIS: ***
Performance: 	

A selection of pigmented Quartz is supplied in various grades ranging from 0.4-3.5mm with an extensive choice of colours available. These products can be used externally within decorative resin surfaces or internally within seamless resin floor screeds.

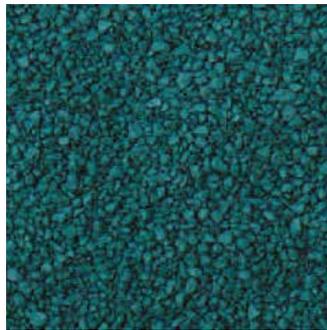
RED



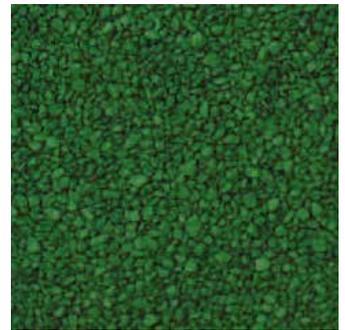
OXIDE RED



GREEN



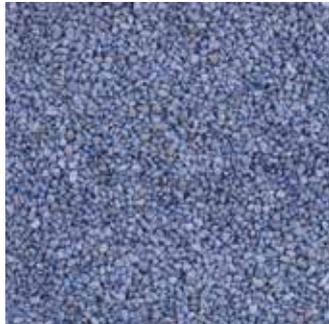
JADE GREEN



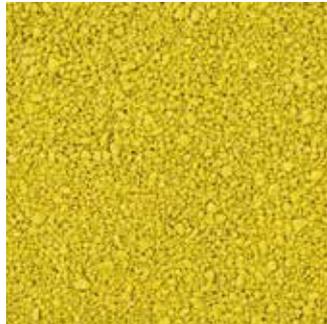
BLUE



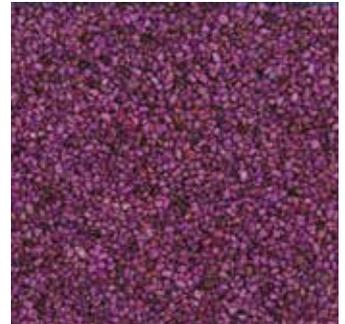
SKY BLUE



YELLOW



PURPLE



TECHNICAL DATA



Product Name	Size	Durability				Shape
		Moh	PSV	AAV	LA	
Amber Gold	1-4mm	6	54 Est	1	N/A	Angular
Autumn Gold	1-2, 2-5mm	7 Est	54 Est	N/A	N/A	Angular
Autumn Quartz	0.2-0.9, 1-3, 2-5mm	7	54 Est	0.6	38	Angular
Beige Marble	2-5mm	4	N/A	N/A	N/A	Angular
Black Basalt	1-3,2-5mm	7	60	4.2	18	Angular
Brittany Bronze	0.2-0.9, 1-3, 2-5, 6-10mm	6	50 Est	N/A	N/A	Well Rounded
Chino Cream	1-3, 2-5mm	4	N/A	N/A	N/A	Angular
Corn Flint	2-5, 6-10mm	6	35 Est	1.1	N/A	Angular/ Smooth
Copper Slag	0.2-0.7, 1-2mm	7	76 SRV	N/A	N/A	Angular
Danish Quartz	1-3, 2-5, 6-10mm	7	50 Est	N/A	N/A	Rounded
Dobbsweir	3-6mm	6	35 Est	N/A	N/A	Angular
Dorset Gold	1-2, 2-5, 6-10mm	7	N/A	N/A	N/A	Well Rounded
Golden Quartz	1-2, 2-5mm	7	50 Est	N/A	N/A	Slightly Rounded
Green Granite	1-3mm	7	67	N/A	10	Angular
Green Granite	2-5mm	N/A	62	6.6	N/A	Angular
Jerez Yellow	1-3mm	4	N/A	N/A	N/A	Angular
Red Granite	0.2-0.9, 1-3, 2-5, 6-10mm	7	53	2	N/A	Angular
Rhine Gold	2-5, 6-10mm	7	50 Est	N/A	N/A	Semi Rounded
Silver Blue	0.2-0.9, 1-3, 2-5mm	7	54	3.3	28	Angular
Silver Grey	0.2-0.9, 1-3, 2-5, 6-10mm	7	54	3.3	28	Angular
Trent Pea Gravel	3-6, 6-10mm	N/A	N/A	N/A	21	Mainly Rounded
Winter Quartz	1-3, 2-5mm	7	54	0.6	38	Angular
High Friction						
Baltic Blue	1-3mm	7	66	N/A	N/A	Angular
Chinese Bauxite Buff	0-1.4, 1-3mm	9	72	4	N/A	Angular
Chinese Bauxite Grey	0-1.4, 1-3mm	9	72	4	N/A	Angular
Guyan Bauxite	0.5-1, 0.9-1.4, 1-3mm	9	72	7.7	N/A	Angular
White Grip	0.5-1, 1-2, 1-3mm	8	78	0.4	N/A	Angular
Copper Slag	0.2-0.7, 1-2mm	7	76 SRV	N/A	N/A	Angular
Sands						
Clear Glass Grit	0.2-0.6mm	4	N/A	N/A	N/A	Semi Rounded
Silica Sand 110#	0.075-0.2mm	7	N/A	N/A	N/A	Semi Rounded
Silica Sand 95#	0.1-0.2mm	7	N/A	N/A	N/A	Semi Rounded
Silica Sand 52#	0.2-0.4mm	7	N/A	N/A	N/A	Semi Rounded
Silica Sand 30#	0.3-0.5mm	7	N/A	N/A	N/A	Semi Rounded
Silica Sand 16/30#	0.5-1mm	7	N/A	N/A	N/A	Semi Rounded
Silica Sand 8/16	1-2mm	7	N/A	N/A	N/A	Semi Rounded
Quartz Sand	0.3-0.8, 0.7-1.2mm	7	N/A	N/A	N/A	Semi Rounded
White Sands & Powders						
White Dolomite Granules	1-2mm	3	N/A	N/A	N/A	Angular
White Dolomite Fines	0-1mm	3	N/A	N/A	N/A	Angular



	Rock Type	Performance Scale	RIS No of *	Resin Bound	Resin Bonded	Highways & Anti-Skid	Tree Pits	Resin Flooring & Seamless Terrazzo	Stone Carpets
	Flint Shingle	3	***	●	●				
	Quartz	3	**	●	●			●	●
	Quartz	3	**	●	●				
	Marble	1	*	●	●				
	Basalt	5	*	●	●	●			
	Quartzite	3	***	●	●		●		●
	Marble	1	*	●				●	
	Marine Flint Shingle	2	***	●	●		●		
	Iron Silicate	5	*	●	●	●			
	Quartz	4	***	●	●		●	●	●
	Quartzite	3	**	●	●				
	Quartzite	3	**	●	●		●		
	Quartz	3	**	●	●				●
	Diabase	5	*	●	●	●		●	
	Granite	5	*	●	●	●		●	
	Marble	1	*	●				●	
	Granite	5	*	●	●	●	●	●	
	Quartz	3	**	●	●		●		●
	Granite	4	*	●	●	●		●	
	Granite	4	*	●	●	●	●	●	
	Alluvial Quartzite Shingle	2	***	●	●		●		
	Quartz	3	**	●	●				
	Greywacke	5	*	●	●	●			
	Calcined Bauxite	5	*	●	●	●		●	
	Calcined Bauxite	5	*	●	●	●		●	
	Calcined Bauxite	5	*	●	●	●		●	
	Calcined Bauxite	5	*	●	●	●		●	
	Iron Silicate	5	*	●				●	
	Glass	N/A		●					
	Silica Sand	N/A	*	●				●	
	Silica Sand	N/A	*	●				●	
	Silica Sand	N/A	*	●	●			●	
	Silica Sand	N/A	*	●				●	
	Silica Sand	N/A	*	●				●	
	Silica Sand	N/A	*	●				●	
	Quartz Sand	N/A	*	●				●	
	Dolomite	1	*	●				●	
	Dolomite	1	*					●	



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Sight **GRIP**