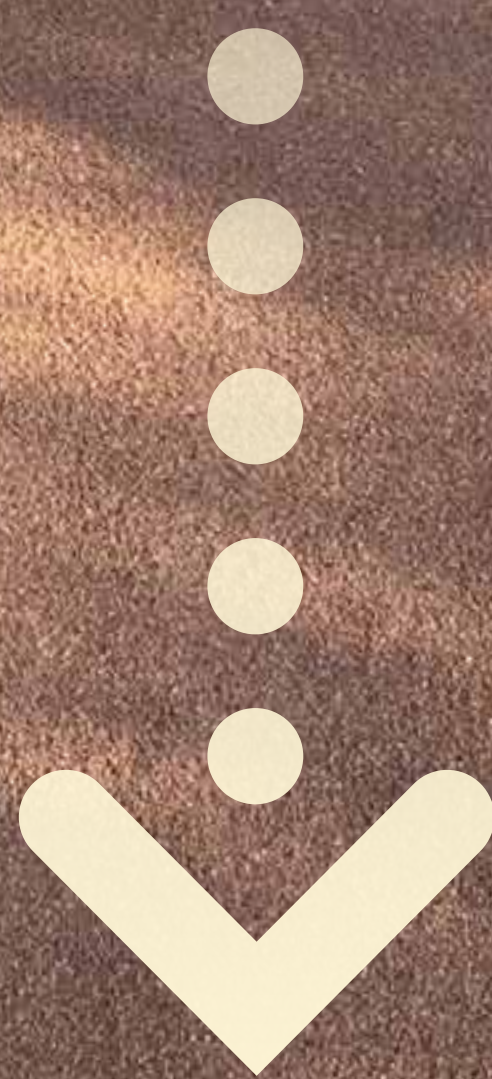


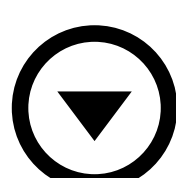


Bushmates Nature Flex™
The natural look of stone and
tougher than standard bitumen

Specialist in COLOUR
Bitumen Sealing



MORE INFORMATION -
Our Philosophy - Who We Are
Our Product -
- What We Do
- The Details
- Before You Buy
- Quotations and Price
- How Its Done
- Protection and Maintenance
- Our Contact



Our Philosophy - Who We Are

At Bushmates, it's important for us to let you know what we're all about, why our products are always the best choice for any job and why we're the trusted source when it comes to providing quality coloured bitumen for your project. That's why our Mission Statement works hand-in-hand with our philosophy sitting front and centre when it comes to all of our dealings.

At Bushmates, we promise:

- To be honest in all our dealings;
- To preserve our customers' interests and support them with enthusiasm;
- To be professional in all dealings we undertake;
- To strive to be leaders in our field;
- To ensure excellent working conditions for all stakeholders;
- To maintain a realistic pricing structure suitable for all involved;
- To support fellow Australian business and promote Australian products at every possible opportunity;
- To create many new business and employment opportunities;
- To ensure each of our customers is provided with a personalised service that ensures their needs and requirements are understood and fulfilled to the highest standards.

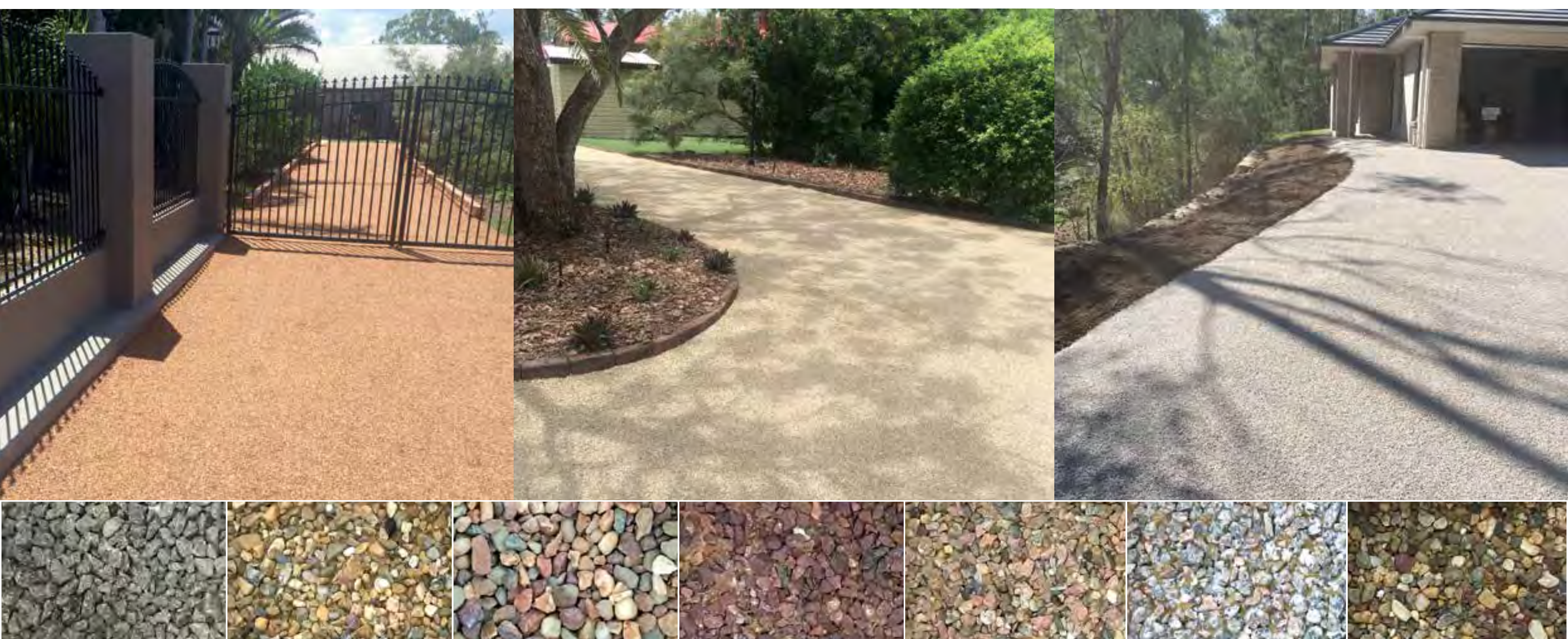
Bushmates was established in 1989 and is Queensland's oldest family owned bitumen business.

The coloured aggregates are sourced from all over Australia, dried, screened and precoated with clear bitumen then stored for later use.

Bushmates Nature-Flex is manufactured in Holland under strict guidelines set by Bushmates

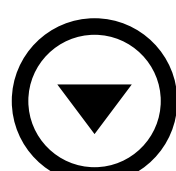
Coloured Bitumen.

It is available in several different blends to suit the various climates in Australia.



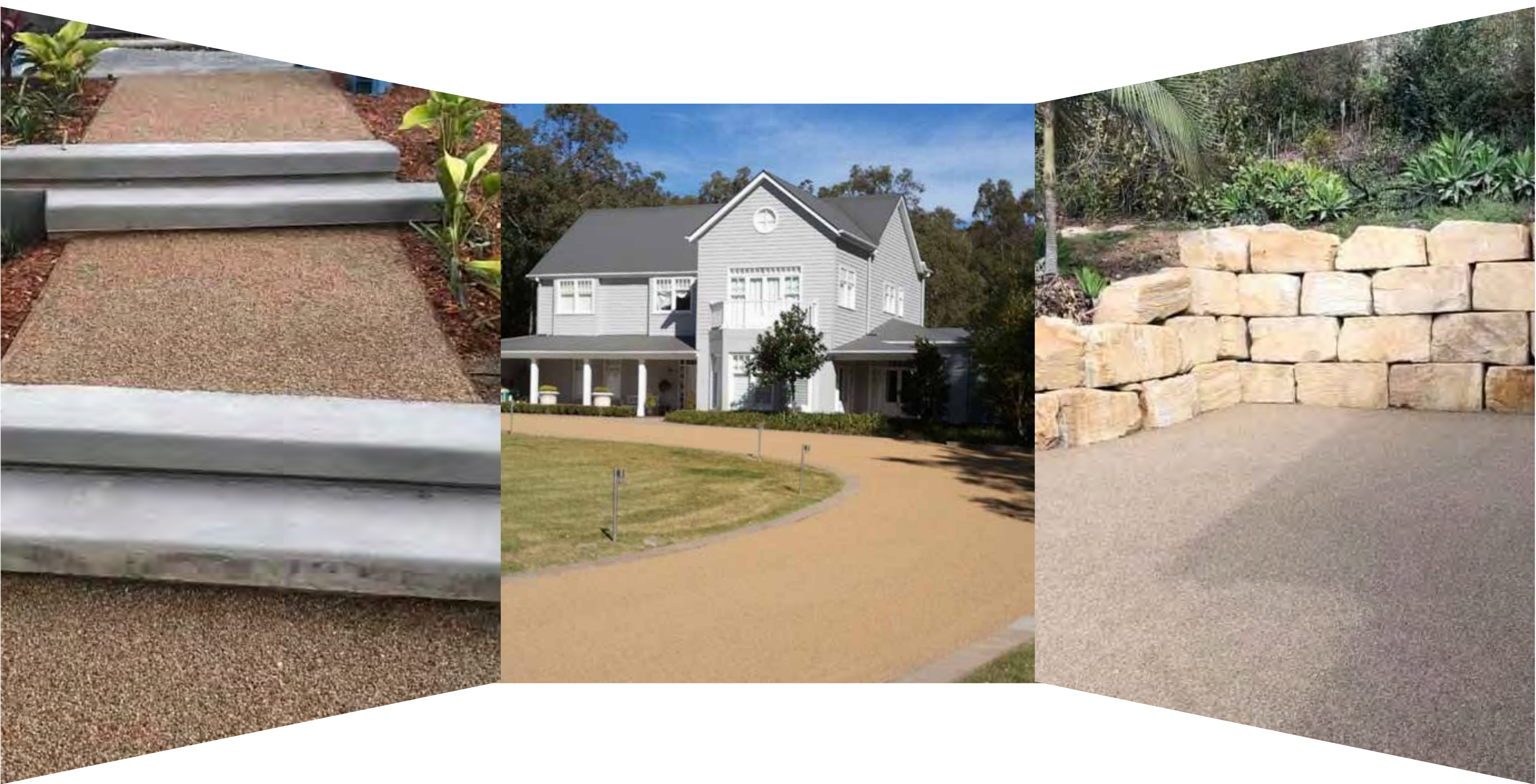
Bushmates Nature Flex™

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Our Product - What we Do

The importance of the quality of your driveway can't be understated. After all, this is the first thing most people see when they visit your home, office or business and first impressions are everything. Bushmates specialises in bitumen, which is a paving material that is mainly used in the construction and maintenance of roads. However, bitumen is extremely versatile and has a range of advantages over other paving materials including being extremely flexible, is not reflective reducing the risk of glare and can easily be kept clean. Specifically, Bushmates offers bitumen in a range of colours which provide a quality, long lasting surface that is extremely striking and immaculate.



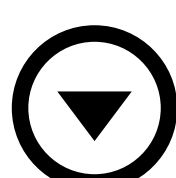
Bushmates Nature Flex™ with a natural stone finish, will never darken or tarnish. It lasts 30% longer than black bitumen, is Polymer modified for extra strength with an elastic recovery of 70% and has a tensile strength 10 times greater than standard black bitumen.

Light colours remain cooler and will help extend the life of the driveway.



Bushmates Nature Flex™

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Our Product - The Details

Bushmates Nature-Flex is a clear binder based on synthetic oil, polymer and additives for use in coloured asphalt and coloured bitumen spray seals, which can be mixed to any colour desired. Bushmates Nature-Flex comes with a 1-year warranty when applied by one of our licensed and experiences applicators on a newly constructed pavement to main road specifications.

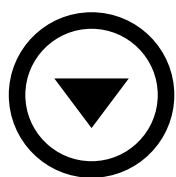
So why choose Bushmates Nature Flex? With a natural stone finish, Bushmates Nature Flex will never darken or tarnish, lasts 30% longer than other standard bitumen products, is Polymer modified for extra strength with an elastic recovery of 60% to 70% and has a tensile strength 10 times higher than standard bitumen.

The specifications and characteristics of Bushmates Nature-Flex is outlined in the table below:

Property	Test Method	Bushmates Nature-Flex 50-70 PMB	Bushmates Nature-Flex 70-100 PMB
Penetration	EN 1426 / ASTM D5	50-70 [0.1 mm]	70-100 [0.1 mm]
Softening Point R & B	EN 1427 / ASTM d36	52-60°C	50-56°C
Fraaß Breaking Point	EN 12593	~-10°C	≥-10°C
Elastic Recovery	EN13398 / ASTM D6084	≥70%	70%
Viscosity at 135°	EN 13702-2 / ASTM D4402	500-700 mPa-s	500-700 mPa-s
Viscosity at 185°	EN 13702-2 / ASTM D4402	100-150 mPa-s	100-150 mPa-s
Flash Point	EN ISO 2592/ ASTM D92	≥230°C	≥230°C



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Our Product - Before You Buy

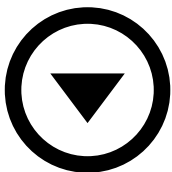
The below aims to provide you with some more information and considerations that should be made before deciding on using bitumen for your project.

Before you choose Bushmates for your bitumen needs, think about...	Details
Pavement Depth	The ground beneath the pavement is important as it will dictate the thickness of the base needed. Assuming the sub grade is well-drained and firm, a 100mm 2.3 Road Base compacted to a minimum thickness of 100mm with a 19mm bitumen surface should be sufficient.
Drainage	The primary issues with driveways are usually caused by water infiltration due to poor surface or subsurface drainage. Subgrade should be sloped (1 in 60 desirable minimum slope) to allow free drainage of pavement layers with no depressions which can result in the trapping of water causing subgrade softening.
Pavement Thickness	Depending on the type of traffic and traffic volume, the thickness of pavements varies. The below figures are examples: <ul style="list-style-type: none">• Bicycles and foot traffic require a 10 / 5 mm Bushmates Nature-Flex Seal with a 100mm road base. Total completed pavement thickness 115mm.• Car and light trucks require a 10 / 5 or 10 / 8 mm Bushmates Nature-Flex 70-100 PMB Seal with a 150mm base. Total completed pavement thickness 168mm.• Heavy traffic requires a 14 / 10 Bushmates Nature-Flex 70-100 PMB Seal with 200 mm roadbase. Total completed pavement thickness 224mm.
Subsurface Drainage	In poorly drained areas which consist of clay or other native material beneath the surface that is moist, subsurface drainage may be required before bitumen can be laid.
Surface Drainage	A sloped driveway is highly recommended to accommodate for quick removal of surface water. To avoid pools of water on the driveway, the surface of the driveway should slope at least 1 in 60 (or 50mm in 3 meters).
Weed Growth	Some grass, such as nut grass, kikuyu, couch grass and buffalo grass, can grow through bitumen and should be killed or removed before bitumen is applied.
Width	Recommended width is at least 3 meters between edgings. For driveways and turnabout combinations that feature sharp curves, recommended width is at least 4 meters wide.
Edging	Recommended edging material include concrete, masonry or timber to prevent any cracking or crumbling. Concrete edging is the highest recommended product and can also be colour co-ordinated to suit your needs Bushmates also offer a soft edge where the edge of the road base is compacted at 30 degrees and the Nature-Flex Is applied to the very edge to encapsulate protect and provide a roll over edge that will not get washed away. This is a the most cost-efficient option, a Council preferred treatment for bush tracks and walkways and gives the most natural appearance.
Tree Roots	Some trees have large, aggressive root systems which can spread under pavement and edging resulting in the pavement and edging moving or cracking. To counter this, your local plant nursery may be able to help by selecting suitable species of trees for your drive or letting you know which existing trees can cause issues.
Hot Sprayed Bitumen	Hot-clear bitumen used for the surface course is OOMS SEAL-O-FLEX, which is a synthetic bitumen and, importantly, contains no natural black colouring (also known as ‘asphaltenes’) which allows the bitumen to be easily coloured. His work should be carried out by an experienced contractor to ensure a quality job and should not be done in cold, windy or wet conditions as thin layers of bitumen cool extremely quickly, resulting in the bitumen becoming porous, losing its strength and reducing its overall life.



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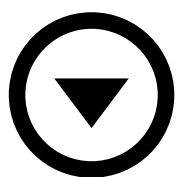
Our Product - Quotations and Price

When deciding on choosing bitumen for your project, you should insist on a written quotation with itemised details, including thickness, material types, quantities, areas and any special requirements. Remember that every property is different and that the quotation is entirely dependent on factors such as surface drainage, tree roots or the width of the drive. At Bushmates, our quotations take these factors into account and provide you with the most accurate quote based on your circumstances, needs and objectives.



Bushmates Nature Flex™

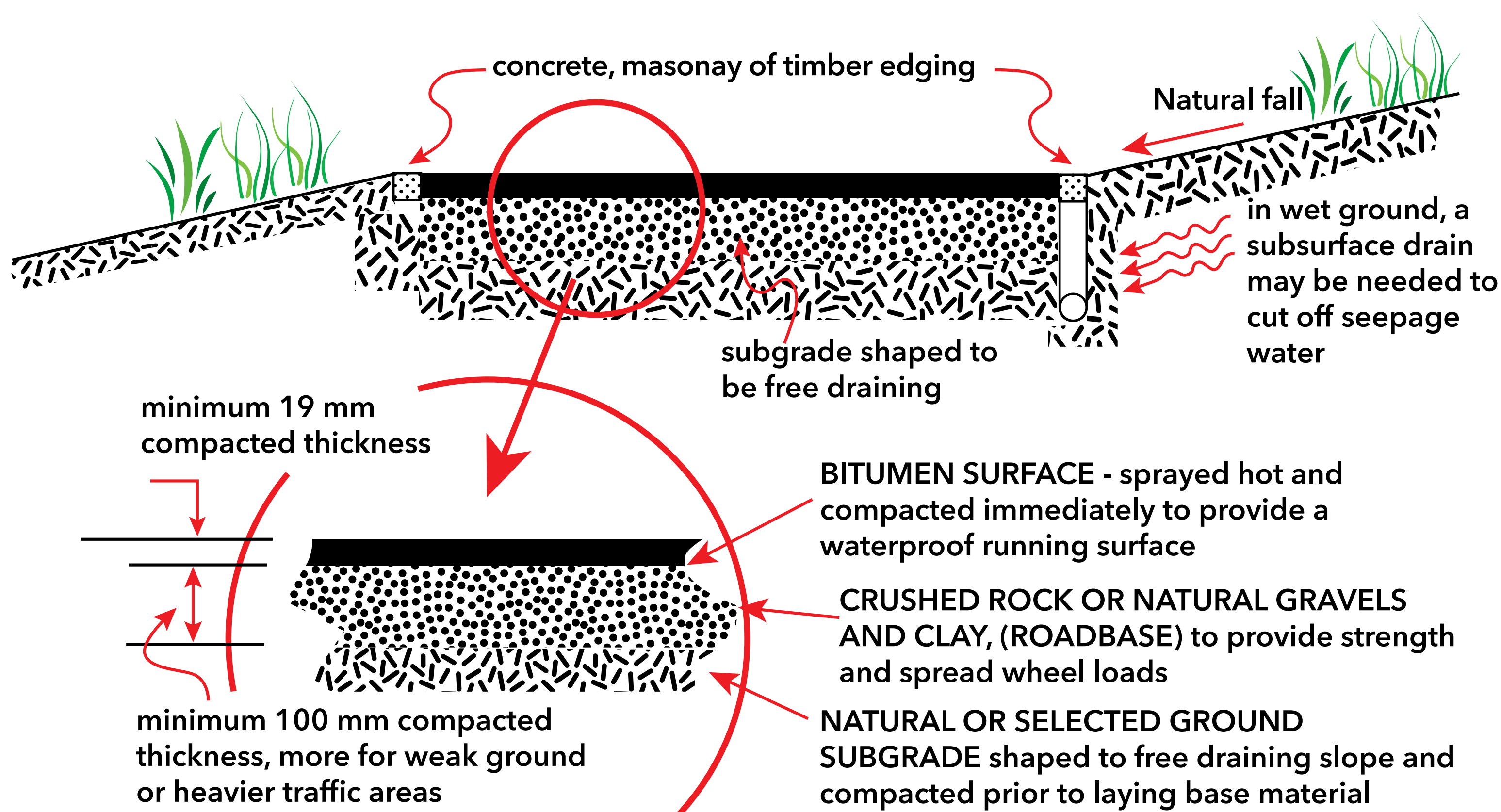
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Our Product - How Its Done

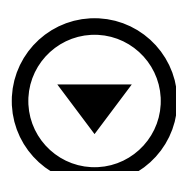
Bushmates promises and ensures that a competent supervisor is on site from the beginning of the job until its completion. It's important to us that, in order to achieve a quality, long lasting and attractive driveway, we use high quality materials and construction practices. The normal process of the job is as follows:

1. Clear topsoil
 2. Install drains as necessary
 3. Check for presence and influence of tree roots
 4. Excavate to required depth, remove, and replace soft spots
 5. Apply weed killer/steriliser, if required
 6. Level and compact subgrade to a smooth free draining even slope where possible
 7. Install and compact roadbase material to provide an even and well compacted surface of the correct thickness and fall
 8. Apply 1 layer of CRS 60 bitumen emulsion and spread an even layer of 10mm aggregate, then proceed to roll in with a multi tyre roller.
- A. Spray hot coloured bitumen at 200 Degrees on the now sealed road pavement, then immediately and evenly spread final coloured aggregate ensuring that the hot binder is not cooling off too quickly (within 2-3 minutes), depending on surrounding conditions.
- B. After rolling the new coloured bitumen surface can be driven on immediately with care. Bushmates and all bituminous products may be soft for some time especially in hotter weather as it takes time and traffic to achieve aggregate orientation and maximum compaction.



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Our Product - Protection and Maintenance

Whilst Bushmates will always work to provide you with the highest quality bitumen and construction process, it is important that the bitumen is maintained afterwards so that your driveway carpark or walkway remains unblemished and immaculate.

Wear or damage caused by any means is best repaired immediately will be less expensive and extend the life of the surface.

Ensure that oil, diesel and petrol spills are avoided as they result in the bitumen dissolving and lead to the stone particles becoming loose. If accidental spillage does happen, dust with lime or flush gently with a bio-degradable detergent and water mix to dilute the spill quickly.

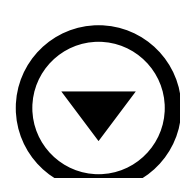
Repairs can be carried out quickly and affordably and in most cases the repair is invisible, so it is best to notify us immediately, take photos and book the repair sooner than later.

Bushmates guarantees quality bitumen with a long-life. However, not everything lasts forever. After about a decade, the bitumen may require touch ups or a thin resurfacing which will renew the surface, returning it to a 'as new' appearance.



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Actual Stone Colours

Autumn Gold



Autumn Red



Coral



Bluestone



Beach



Granite



Homestead



Every effort has been made to match the colours and texture appearance, but owing to the nature of the products and inherent distortions in the photographic and printing processes, beyond our control, slight variations may be found.

Jaspa



HEAD OFFICE QUEENSLAND

Robert Balfour
Ph 0407 10 10 10
157 McDougall Rd, Elimbah, QLD 4516
quote@bushmates.com.au

VICTORIA

Custom Driveway Solutions
Ph 0407 041 434
2331 Melbourne Lancefield Rd,
Romsey, VIC 3434
vic@statewidebitumen.com

NSW

Illawarra Sprayseal
Ph 0488 13 12 12
31 Bellambi Lane, Bellambi, NSW 2518
nsw@statewidebitumen.com

SOUTH AUSTRALIA

South East Excavations
Ph 0407 261 612
18 White St, Robe, SA 5276
sa@statewidebitumen.com