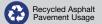


## Boral Asphalt Product Guide

Culdesacs
Car Parks
Carpark
Commercial
Local Roads
Intersections
Arterial Roads
Bridges
Highway
Container
Terminals

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PRODUCTS	DESCRIPTION	KEY ATTRIBUTES	TYF	PICA	AL A	PPL	ICA	ΠΟΝ	IS												
DuraPave™  Durapave Brochure	Thin Asphalt Surfacing			•									•		•	•	•			•	•
PortMix Portmix Brochure	High Strength Asphalt	<b>8000</b>		•									•	•	•		•	•		•	•
Stone Mastic Asphalt (SMA) SMA 10 Pacific Hwy, North of Coffs Harbour, 2004-2010	Structural Asphalt Surfacing	<b>4900</b>		•									•	•	•	•	•			•	•
Dense Graded Asphalt (DGA) Mount Gambier and District Airport, 2012	General Purpose Asphalt	❷ ❷	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Novachip Monash Freeway, Melbourne, 1993-2007	Ultra Thin Asphalt	<b>999</b>		•	•								•		•		•				
Open Graded Asphalt (OGA) Eastern Freeway, Melbourne, 1997-2006	Thin Asphalt Surfacing	000		•		•						•			•	•	•				
LoNoise® Docklands Highway Trial, 2002	Thin Asphalt Surfacing			•							•				•	•	•	•			
Bituminous Treated Base (BTB) www.boral.com.au/asphalt	Bituminous Crusher Run Base	₩ 🗸 🗎		•	•						•	•	•	•	•		•		•		
WarmPave Gallipoli Grove, Kilburn Adelaide 2010	Surfacing or Structural Asphalt		•	•	•	•	•	•	•	•	•	•	•	• 4	•	•	•	•	•	•	•
Premium Pavement Repair (PPR) PPR Brochure	Cold Mix Asphalt		•		•	•													•		
Bitupack Bitupack Brochure	Cold Mix Asphalt		•			•															
Hot Spray Seal Tully Alliance, Far North Queensland 2008	Spray Seal	000		•		•					•	•	•		•	•	• 2			•	• 3
Crumbed Rubber Spray Seal	Crumbed Rubber Modified Spray Seal	<b>900</b>		•											•					•	• 3
GATT Surfacing Mills Road, City of Greater Bendigo, 1999-2009	Spray Seal Surfacing	<b>000</b>	•	•							•					•				1	
Emulsion Spray Seal Glenugie Upgrade, 2011	Spray Seal		•	•							•		•		•	•	• 2			•	• 3
Surface Coat Hoddle Street, Victoria, 2005	Thin Colour Coating	<b>0</b>				•	•	•	•			•									
Gromulch Gromulch Brochure	Emulsion Spray Mulch					•															





















## **Foot Notes:**

- 1. Service Access Roads/Fire Tracks
- 2. Rural Highways
- 3. Rural Aerodromes
- 4. Light Traffic only











Pro	duct Guide Legen	id Table
Symb	ool	Description
	Recycled Asphalt Pavement Usage	Some DGA, BTB and WarmPave asphalt mixes can contain used asphalt reclaimed from old pavement.
9	Rut Resistance	Rut Resistant compared to unmodified dense graded asphalt. Portmix specification is < 2.5 mm final rut depth @ 60,000 passes & 65°C compared to a typical value of 9 mm @ 10,000 passes & 60°C for unmodified asphalt. SMA has a stone-on-stone skeleton to improve rut resistance.
	Low Temperature	WarmPave can be manufactured and placed at temperatures up to 30°C lower than hot mix asphalt. PPR, Bitupack and Gromulch are placed at ambient temperature. Emulsions spray seals are typically applied at 80°C compared to 180°C for hot spray seals.
9	Water Inhibiting Membrane	Novachip has a tack coat applied in a single spray-and-pave process, unlike standard asphalt. Spray seals, GATT and Surface Coat include sprayed bituminous films that inhibit moisture penetration. Bitupack fills potholes preventing further water damage.
	Tyre Water Suppression	Removes water from the road surface more quickly than standard dense graded asphalt, therefore reducing tyre spray.
	Resists Damage From Fuel Spills	Boral Laboratory tests show that this product loses less mass than standard mixes after prolonged soaking in fuel.
	Extended Travel	Extended travel is achieved with WarmPave by heating it to the same temperature as hot mix and having a longer time to cool to WarmPave application temperatures.
	Skid Resistance	Skid resistance is provided by the positive texture in spray seals, while long term skid resistance is assisted by the negative texture in Durapave, Novachip, Open Graded Asphalt and Stone Mastic Asphalt.
	Stiffness	The product can be designed with specially selected modified binders to achieve modulus values greater than the modulus of traditional dense graded asphalt. DGA itself can have a wide range of stiffness depending on the choice of aggregate & binder used.
	Road Dust Suppression	Suppression of road dust by sealing the surface of the granular pavement.
P	Service Life	Durapave has an excellent fatigue life compared to standard asphalt. Portmix has excellent rut performance proven in laboratory testing. SMA has exemplary fatigue life compared to standard asphalt. BTB has a longer design life compared to modified granular bases. WarmPave binder is less aged and expected to return longer asphalt life. PPR is a modified cold mix with excellent service performance and shelf life. Crumbed rubber spray seals have excellent crack inhibition and stone retention characteristics.
	Colour Choice	Surface Coat is available in a range of colours for architectural or aesthetic value.
	Road Tyre Noise Suppression	Durapave, LoNoise, Novachip, OGA and SMA are surfacings chosen to attenuate noise more than DGA or spray seals.

Product Guide Legend Table