



Brick N *Pave*

The Decorative Paving Specialists

Municipal Services Smarter Paving Solutions

Brick N Pave cater for municipal infrastructure in the form of Bus and Bike Lanes, Safety Zones, Crossings and Crosswalks utilising DuraTherm and StreetBond technologies in order to service the community.





StreetPrint®

DECORATIVE ASPHALT SOLUTIONS

What is DuraTherm™?

DuraTherm™ is a decorative asphalt surfacing system designed specifically for high-traffic crosswalks. Tremendous durability ensures DuraTherm™ will maintain its bold look for many years. Fast installation means minimal community disruption.

Proven Technology

DuraTherm™ is a thermoplastic material that is inlaid into imprinted asphalt. It is installed flush with the asphalt, as a result, it is extremely resistant to wear caused by traffic.

What is StreetBond™?

StreetBond™ coatings put the colour in StreetPrint™ and DuraTherm™ projects. StreetBond™ can also be used in its own right to produce creative colourings on “plain” asphalt or concrete. StreetBond™ coatings are based on leading-edge polymer, cement and epoxy technologies designed to withstand a variety of weather and traffic conditions.

StreetBond™ produces a durable surface that retains its vibrant colour and can be used on all kinds of architectural hardscapes and traffic management applications. It is also ideal for applications such as bike lanes and bus lanes creating highly visible “corridors” separating various roads users and enhancing safety.





Municipal Services

Crossings and Crosswalks

Improve Driver/Pedestrian Awareness with colourfast vibrant coatings, or hard wearing DuraTherm™ thermoplastics. Be seen, be safe!

Bus and Bike Lanes

Strong colours combined with enhanced skid resistance give clear delineation between Bus Only and Bike Only Lanes, and other road users.

Safety Zones

High Visibility StreetBond™ coatings with enhanced skid resistance, or imprinted DuraTherm™ thermoplastics for exceptional wear characteristics, improve driver awareness and reduce accidents.

FlowStone

High porosity surfacing system designed for efficient drainage of surface water. It uses larger, single sized stones for maximum water flow. Ideal for applications such as urban tree pits and sand beds where a strong load bearing is required.





BALANCED
COATING
PERFORMANCE

Unbalanced Performance is **NO** Performance

Coating products that lack any one performance element or emphasize one over another will result in failure.



1 Durability

StreetBond pavement coatings use an epoxy-modified formula that is specifically designed to meet traffic demands... even in **wet** conditions.

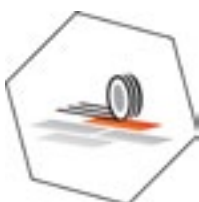
ASTM TEST	SPEC LIMIT	STREETBOND SPI50E
Taper Abrasion D-4060	<1.5g/1000 cycles 1 day cure H10 wheel*	0.97g / 1000 cycles
Water Sensitivity D-570	Water absorption after 9 days: Max 10% Remaining Absorption >1hr recovery: Max 1%	8.3% 0.4%



2 Flexibility

Asphalt is flexible. Coatings therefore must have flexibility to move with it. StreetBond is specifically formulated to **flex with** asphalt across a wide temperature range.

ASTM TEST	SPEC LIMIT	STREETBOND SPI50E
Mandrel bend D522-93A	6.35mm 21°C 0.5mm thick 101.6mm -18°C 0.5mm thick	0.5mm thick sample passes



3 Friction

Slip and skid resistant aggregates give StreetBond coatings greater traction making coated surfaces **safer** for foot and vehicle traffic.

ASTM TEST	SPEC LIMIT	STREETBOND SPI50E
British Pendulum Measurement E-303	Min. 40 British Pendulum Number	>60 >40 @ 2yrs (or higher than adjacent asphalt)



4 Color Stability

Advanced acrylic polymer technology and high quality pigments gives StreetBond coatings **long-lasting color** retention characteristics, especially against UV rays.

ASTM TEST	SPEC LIMIT	STREETBOND SPI50E
QUV 2000 hrs G-155	ΔE < 1.5 for topcoat	Brick = 0.49 x



5 Chemical Resistance

StreetBond coatings are **not affected** by fuel, engine and de-icing agents that come into contact with road surfaces. StreetBond protects the asphalt from chemical damage.

ASTM TEST	SPEC LIMIT	STREETBOND SPI50E
MEK Rub D5402-93 (1999)	0.3mm sample 1000 rubs 14 days cure No wear through	Meets spec limit x



6 Environmentally Responsible

StreetBond coatings are water-based and formulated to contain no solvents harsh to humans or the environment. Asphalt coated with StreetBond is fully recyclable.

ASTM TEST	SPEC LIMIT	STREETBOND SPI50E
Volatile Organic Compounds EPA-24 D3960-05	Water-Based Acrylic EPA limit is 150 g/l	Water-Based Acrylic VOC <100 g/l

* Most coating tests involve the CS-10 wheel which is a very soft rubber wheel with embedded grinding material. Readings are so low that they do not provide any substantial difference between tested coatings. IPC applies tests with the more aggressive H-10 wheel.

Brick N Pave

The Decorative Paving Specialists

Head Office & Display Centre

62-64 Vesper Drive
Narre Warren Vic 3805
Phone: 03 9796 6500
Fax: 03 9796 6955
Email: info@bricknpave.com.au

Brisbane Office

PO Box 378
Northgate QLD 4013
Phone: 07 3630 2500
Fax: 07 3868 2088
Email: cmichel@bricknpave.com.au

Sunshine Coast

PO Box 1575
Noosa Heads QLD 4567
Phone: 0408 030 963
Email: bevans@bricknpave.com.au

Gold Coast / NSW Office

PO Box 920
Tweed Heads NSW 2485
Phone: 0438 515 031
Email: rblack@bricknpave.com.au

www.bricknpave.com.au