



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

Taper Abrasion
D-4060

Water
Sensitivity D-570

SPEC LIMIT

<1.5g/1000 cycles
1 day cure H10 wheel*

Water absorption
after 9 days: Max 10%
Remaining Absorption
>1hr recovery: Max 1%

STREETBOND SP150E

0.97g / 1000
cycles

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

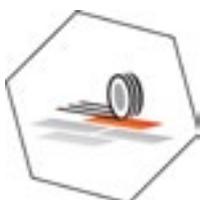
Mandrel bend
D522-93A

SPEC LIMIT

6.35mm 21°C
0.5mm thick
101.6mm -18°C
0.5mm thick

STREETBOND SP150E

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

British
Pendulum
Measurement
E-303

SPEC LIMIT

Min. 40
British
Pendulum
Number

STREETBOND SP150E

>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

QUV 2000 hrs
G-155

SPEC LIMIT

ΔE < 1.5
for topcoat

STREETBOND SP150E

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

MEK Rub
D5402-93
(1999)

SPEC LIMIT

0.3mm sample
1000 rubs
14 days cure
No wear through

STREETBOND SP150E

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

Volatile Organic
Compounds
EPA-24
D3960-05

SPEC LIMIT

Water-Based
Acrylic
EPA limit is
150 g/l

STREETBOND SP150E

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

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