

# Griptop Sports 2K

Water based epoxy acrylic coating for cycling tracks and pavements



## DESCRIPTION

Griptop Sports 2K is a two component, water based, flexible epoxy modified acrylic coating specially designed to provide high performance, non slip, aesthetic finish, and a low maintenance surface that is suitable for both pedestrian and bike/cycles applications with the necessary abrasion and UV resistance. Griptop Sports 2K is suitable for application on asphalt or portland cement concrete with proper surface preparation, it is formulated to provide a flexible coating that accommodates the normal expansion and contraction of asphalt surfaces and without peeling.

## APPLICATIONS

Griptop Sports 2K coating is designed for use in pedestrian application areas and cycle tracks such as:

- » Pathways, medians, pedestrian plazas.
- » Sidewalks, crosswalks, intersections.
- » Bike/cycle tracks and lanes.
- » Asphalt preservation.

## ADVANTAGES

- » Epoxy-modified acrylic, designed to meet traffic demand.
- » UV stable and resistant.
- » Slip resistant, safer for foot and cycles traffic.
- » Flexible.
- » Durable, withstands traffic wear and weather conditions.
- » Low maintenance and colour stable.
- » Available in different colours.
- » Excellent adhesion properties compared to other decorative pavement coatings.
- » Environmentally friendly, low VOC.
- » Extends life of asphalt by protecting from UV.

## METHOD OF USE

### SURFACE PREPARATION

#### Asphalt substrates

The surface must be clean, dry and free from dust, oil, grease and any contaminations that could affect the adhesion. All loose grit and other debris must be removed by vacuuming, blowing or sweeping prior to the application of Griptop Sports 2K.

It is recommended that new asphalt substrates are allowed to cure and oxidise until its black and glossy surface turns grey and matt before applying the coating. The time it takes for oxidation will vary depending on the nature of the surface and the ambient temperatures and humidity. Generally, it will take up to 3 weeks in summer and may take up to three months in winter.



## TECHNICAL PROPERTIES:

Age:	7 days
Colour:	Various
Density:	1.40 ± 0.05 g/ml
Solid content:	
By weight	68 ± 2%
By volume	56 ± 2%
Pot life:	2 hr @ 20°C 1 hr @ 35°C
Over-coating time:	6 hr up to 24 hr @ 20°C 4 hr up to 16 hr @ 35°C
Bond strength on concrete: ASTM D4541	> 2 MPa (concrete failure)
Application temperature:	10 - 40°C
Taber abrasion resistance: (100 cycle) ASTM D4060, weight loss 1 kg, H10 wheel	< 150 milligram
Bend test: ASTM D522	Pass, no cracks (Using 1/4" mandrel @ 25°C)
Slip resistance:	
Dry	73
Wet	66
VOC:	< 20 g/ltr (comply with LEED)

*The above data was developed under controlled laboratory conditions. Properties in the field may vary. Expect some variations from these results, depending on jobsite and test conditions.*





#### Concrete substrates:

Surfaces to receive Griptop Sports 2K should be clean, sound, and free from oil, grease, dirt, debris and loose particles. Substrate should be dry, with no standing water. Spalled surfaces, cracks and defected concrete should be repaired. Addition of water should be done after mixing the two packs (part A and B) of Griptop Sports 2K.

#### PRIMING

- » Griptop Sports 2K can be applied over well prepared asphalt and concrete substrates directly without a primer.
- » If the application will take place over porous substrates, it is recommend to dilute mixed Griptop Sports 2K with 10% of water to be used as primer.

#### MIXING

To ensure proper mixing, a drill fitted with suitable Jiffier mixing paddle should be used. Stir the content of each component separately to disperse any settlement. Griptop Sports 2K is supplied in two packs (part A and B), add the components of Part B into Part A pail. Mix together for 3 minutes until uniform colour and consistency are achieved.

#### APPLICATION

Mask off areas where coating or overspray is not required using tape, plastic sheeting, coating shield or paper. For typical pedestrian applications, three layers of Griptop Sports 2K are required; for heavier pedestrian applications, four layers are recommended. Griptop Sports 2K can be applied by brush, short hair roller, and textured spray machine. For spray application, hold the spray gun between (600 - 800 mm) above the asphalt surface and apply the coating in a circular movement.

Allow 50 mm overlap when applying the next transverse pass onto wet edge. Griptop Sports 2K should be applied at the rate of 0.30 - 0.35 litre/m<sup>2</sup> (per coat) and allowed to dry for 24 hours (depending on the ambient temperature) before being overcoated with the second coat. Once the first coat is dry, the (2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup>) coats should be applied perpendicular to the previous coat at the same rate above, and allowed to cure. Changing the spraying direction for every layer will help with coating uniformity. Each additional layer of coating sprayed should be broomed or rolled to maintain a consistent texture.

#### REMARKS

- » Griptop Sports 2K should not be applied at ambient temperatures below 10°C and dropping.
- » Griptop Sports 2K should not be applied on surfaces expected to suffer from rising dampness or relative humidity greater than 75%.
- » Griptop Sports 2K is not designed for vehicular traffic.
- » Application should not be done if precipitation is expected within 24 hours.

#### Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

# Griptop Sports 2K

#### CLEANING

Tools can be cleaned immediately after use with water.

#### PACKAGING

Griptop Sports 2K is available in 25 kg packs (23.5 kg part A and 1.5 kg Part B).

#### COVERAGE

- » Approximately 0.30 - 0.35 litre/m<sup>2</sup> per coat to achieve a dry film thickness of 160 - 190 micron per coat.
- » For Three layers application: Each 25 kg pack will cover 17.0 – 19.8 m<sup>2</sup>, at a total dry film thickness of 0.48 mm – 0.57 mm for the three coats.
- » For Four layers: Each 25 kg pack will cover 12.7 – 14.8 m<sup>2</sup>, at a total dry film thickness of 0.64 mm – 0.76 mm for the four coats.

#### STORAGE

Griptop Sports 2K has a shelf life of 12 months from date of manufacture if stored at temperatures between 5°C and 35°C. If these conditions are exceeded, DCP Technical Department should be contacted for advice.

#### CAUTIONS

#### HEALTH AND SAFETY

As with all paints, care should be taken during use and storage to avoid contact with skin, eyes and mouth. Wear suitable protective clothing, gloves and eye/face protection. Should accidental skin contact occur, remove immediately with plenty of clean water. If swallowed, seek medical attention immediately - do not induce vomiting. For further information, refer to the Safety Data Sheet.

#### FIRE

Griptop Sports 2K is nonflammable.

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- » Grouts and anchors.
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- » Adhesives.
- » Tile adhesives and grouts.
- » Building products.
- » Structural strengthening.

