



# Truegrip BT

## High Friction Anti-Skid Resin Surfacing System

### DESCRIPTION

Truegrip BT is a two pack epoxy resin based surfacing systems, which is broadcast with a specially selected refractory PSV 70 grade Calcined Bauxite aggregate (1-3mm for road grade). Truegrip BT is a High Friction surfacing systems meeting the demanding requirements of a BBA/HAPAS Type 1 approved anti-skid surfacing for external applications.

### USES

Truegrip BT can be hand or machine applied and is designed for surfacing Highways with a bituminous surface. Truegrip BT minimises the risk of skids on areas such as; sharp bends, approaches to and across major junctions, gradients, roundabouts, traffic signals, pedestrian crossings and railway level crossings.

### ADVANTAGES

- **Anti-skid** High friction anti-slip finish
- **Fast cure** Ready to receive vehicular traffic within hours
- **Durable** Abrasion resistant and resistant to petrol, diesel, chemicals & salt
- **Epoxy resin based** Excellent adhesion onto bituminous and asphalt surfaces,

### PHYSICAL PROPERTIES

• <b>Tensile strength</b> (7 day cure)	10.5 N/mm <sup>2</sup>
• <b>Elongation</b> (7 day cure)	> 30%
• <b>Specific gravity</b> (resin binder only)	1.16
• <b>Pot life</b>	20 minutes
• <b>Cure time</b>	2 - 4 hours
• <b>Full cure</b>	7 days

(Below 20°C these times will be increased)

### DURABILITY

Truegrip BT should have a service life of between 5 and 10 years depending on traffic levels.

### CHEMICAL RESISTANCE

Truegrip BT is resistant to a wide range of chemicals. Specific data is available on request.

### COLOURS

Truegrip BT is black in colour ,however different coloured Calcined Bauxite aggregates may be used to achieve variety.

### TEMPERATURE

Truegrip BT should not be applied at temperatures below 5°C. Substrate temperatures should be 5°C to 35°C. The appearance, but not performance of the system, may be affected by adverse weather conditions on application. Refer to Technical Department for advice.

## **INSTRUCTIONS FOR USE - SURFACE PREPARATION**

Ensure that all surfaces are clean, dry, sound and are free from ice, frost, loose aggregate, oil, grease, road salt and other loose matter likely to impair adhesion. Manholes, drain gratings, road markings etc. should be masked to prevent contamination. Friable surfaces should be primed with a suitable primer, please refer to the Technical Department for advice.

### **COVERAGE AND PACK SIZES**

#### **Pack Sizes:**

**40 kg [20 kg Part A : 20 kg Part B]**  
**2000 kg [1000 kg Part A : 1000 kg Part B]**

[mix ratio Component A / Component B  
= 1:1 by weight]

#### **Typical coverage rates are:**

Resin Binder 1.5 – 2.3 kg /m<sup>2</sup>  
Aggregate 6 – 8 kg/m<sup>2</sup>

N.B. Coverage is dependent on surface texture and porosity. The degree of surface texture will increase the surface area and must be allowed for when calculating usage. A site test is to be recommended.

## **MIXING AND APPLICATION**

Truegrip BT is supplied in matched component packs. For machine application, the bulk containers may be transferred to bulk storage vessels located on the application vehicle or used directly from the delivery containers using suitable equipment. The material is heated to 55°C (± 5°C) and mixed by a metered machine that continuously batches and intimately mixes the components together. For application by hand, Handlay BT components should be pre-weighed at a 50:50 ratio and mixed until homogeneous with a slow speed drill with a helical stirrer. The mixed BT can be applied to the surface by spray, lance, brush or squeegee. Care should be taken to ensure a uniform and even application is obtained. As soon as the mixed resin is evenly spread, the refractory grade Calcined Bauxite aggregate must be scattered liberally over the surface so that no resin is visible. If the resin is seen to rise through the aggregate, further aggregate should be spread so that any wet patches are covered with an excess of aggregate. **Finishing:** All masking tape should be removed. If the freshly applied surface must be crossed before cure has occurred, spiked shoes should be worn to prevent disturbance of the surface. As soon as the resin system is solid to the touch, excess aggregate can be removed by vacuum sweeper or careful sweeping. Care should be taken not to commence brushing prematurely, as this will spoil the finished appearance. For full technical specification and application instructions refer to BBA Certificate No. 00/H035. To meet the criteria of BBA/HAPAS Type 1 anti-skid, the system must be installed by a BBA Approved Installer – please contact Conren's Technical Department for details.

## **DISPOSAL**

All tools and equipment should be cleaned with water immediately after use. Spillage should be absorbed with sand or sawdust and disposed of in accordance with statutory regulations.

## **STORAGE**

Shelf life is at least 6 months if stored in original containers between 10°C and 25°C.

## **PRECAUTIONS**

For further information on our precautions please see the MSDS.

### **Technical Service and Quality Assurance**

All information provided in this leaflet is based on results obtained from our own experience and testing which is given in good faith. The information is provided without guarantee as the user will be deemed to have satisfied themselves independently of the suitability of Conren's product for their own particular purpose. Conren Limited cannot be held responsible for any errors as a result of any incorrect information being provided.



**www.conren.com**

Conren Limited. Unit 1, The Bridge Business Centre,  
Ash Road South, Wrexham Industrial Estate,  
Wrexham. LL13 9UG

Tel: +44 (0) 1978 661 991  
Fax: + 44 (0) 1978 664 664  
E-mail: info@conren.com