



Truegrip BN

High Friction Resin Surfacing System

USES

Truegrip BN surfacing system is a high performance epoxy binder intended for professional use in external applications. Truegrip BN can be hand or machine applied together with decorative or anti-skid aggregates and is ideal for resurfacing highways, driveways and footpaths with either bituminous, concrete, metal or wood surfaces.

DESCRIPTION

Truegrip BN is designed for direct application to asphalt surfaces. For application to concrete, metal or wood surfaces a primer is required. Truegrip BN is supplied as two separate components, which are mixed in equal proportions, spread and aggregate is then broadcast onto the surface. The resin is allowed to cure and any excess aggregate removed.

ADVANTAGES

Antiskid	high friction antislip finishes can be achieved.
Epoxy Resin Based	excellent adhesion onto a range of substrates Including asphalt, concrete, metal and wood.
Fast Cure	ready to receive vehicular traffic in hours.
Durable	excellent abrasion resistance and resistant to petrol Diesel, chemicals and salt.

PHYSICAL PROPERTIES

Tensile Strength (7 day cure)	> 10.5 N/mm ²
Elongation	> 30%
Pot Life	20 minutes
Cure time	3 hours
Full Cure	7 days

(Below 20° C these times will be increased)

DURABILITY

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

COLOURS

Truegrip BN is naturally buff coloured but due to its low intrinsic colour can be pigmented. Coloured aggregates may be used to achieve variety.



TEMPERATURE

Truegrip BN 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 Conren 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 Conren for advice.

COVERAGE AND PACK SIZES

Pack Size

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

40 kg [20 kg Part A: 20 kg Part B]

2000 kg [1000 kg Part A: 1000 kg Part B]

Typical coverage rates are:

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

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 BN 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 BN components should be pre-weighed at a 1:1 ratio and mixed until homogeneous with a slow speed drill with a helical stirrer. The mixed BN 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 aggregate must be scattered liberally over the surface so that no coating is visible. If the coating 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.

PRECAUTIONS

Truegrip BN is non-flammable. Truegrip BN should not be allowed to come into contact with skin and eyes or be swallowed. Epoxy resins and hardeners may act as skin sensitizers to some people. Gloves, goggles and barrier cream should therefore be used. In the event that mixed resin comes in contact with the skin it must be removed before it hardens with a good quality resin removing cream followed by washing with soap and water. Do not use solvent. If accidental eye contamination occurs irrigate with copious quantities of clean water and seek medical advice. If ingestion of any of the materials takes place, seek medical attention immediately. Do not induce vomiting. Refer to Safety Data sheet.

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

CONTRACTING SERVICE

Conren Limited offers a contracting service for the application of all Conren products. This facility is back by a comprehensive technical and after sales service. We are able to contend with most problems in the field.

TECHNICAL SERVICE & QUALITY ASSURANCE

All information provided in this leaflet is based on results obtained from our own experience and test and is given in good faith. The user will be deemed to have satisfied himself independently of the suitability of Conren's products for his own particular purpose. We guarantee to replace, free of charge, any goods supplied by us which are proved to our satisfaction defective, but, as the application of these materials is necessarily beyond our control, we will not accept responsibility for any damage or loss arising wholly or in part from these materials. Except as herein provided, any express or implied condition, warranty, statement or representation, statutory or otherwise as to the quality of the goods is expressly excluded.

SPECIFICATION

High Friction epoxy resin surface coating should be Truegrip BN manufactured by:

All products to be applied in accordance with Conren's written instructions.

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