



Truegrip BN

High Friction Resin Surfacing System

DESCRIPTION

Truegrip BN surfacing system is a two pack high performance epoxy binder used within a resin bonded surfacing system. Truegrip BN is supplied in pre-weighed units, which are mixed, spread over the substrate and then fully blinded with an aggregate broadcast. The resin is allowed to cure and any excess aggregate removed.

USES

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. Truegrip BN is designed for direct application to asphalt surfaces.

ADVANTAGES

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

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 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]

Typical coverage rates are:

Resin Binder 1.5 – 2.3 kg /m²
Aggregate 8 kg/m²

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.

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 12 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.



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