

## Product Description

TekGrip DD2 is a two-component, liquid, polyurethane system specially formulated for decorative surfacing and applications. When cured, TekGrip DD2 has good adhesion to bituminous, cementitious, wood and metal surfaces and to most aggregates or pebbles. TekGrip DD2 has a unique formulation which provides additional working time without affecting its full cure. This makes TekGrip DD2 ideal for applicators which are new to cold applied resin surfacing and also for use in hot weather conditions where other systems may not provide a sufficiently long application time.

## Application

The surface should be clean, sound, and free of dust or friable material and the substrate temperature should be between 20°C and 35°C.

- ▶ A 20 litre plastic bucket, coloured, filled viscous liquid.
- ▶ B 5 litre plastic bottle/jerry, brown, thin liquid.

A suitable area for mixing should be set aside and protected from splash and spillage with a plastic sheet. All free edges, fixtures, drainage gullies and gratings should be taped over to mask edges, prevent accidental ingress of resin or aggregate. The kits of TekGrip DD2 should be mixed individually as they are required. Do not mix more than one kit at once and leave them standing in readiness otherwise a short pot-life will result and the aggregate will not bond to the resin.

A low speed (300-500 rpm) high torque drill & paddle should be used to mix the material. First stir the 'A' component (bucket) to disperse any settlement. The 'B' component should then be emptied into the 'A' component (care should be taken to avoid splashing at this stage). The material should then be mixed until homogeneous, taking care that the paddle reaches the bottom of the tub to ensure thorough mixing of both components. A vortex will form during mixing and the added 'B' component will disappear down the vortex. When this happens, a further 20 seconds should be sufficient. Time should not be wasted once mixing has started (Speed is of the essence) and the total mixing time for a kit should be about 60 seconds under normal conditions. It is important that application begins immediately after mixing. The complete mix should be emptied onto the area (Do not leave mixed material in bulk in the bucket). Spread evenly using a medium pile roller or a 6mm serrated squeegee to achieve a uniform thickness governed by the aggregate size. Do not allow the material to "pond" in depressions. Depths of over 3mm may give rise to foaming of the adhesive particularly in warm or damp conditions.

- ◆ For 1mm aggregate, one kit of adhesive should be applied at a maximum coverage rate of 19m<sup>2</sup>.
- ◆ For 3mm aggregate, one kit of adhesive should be applied at a maximum coverage rate of 9m<sup>2</sup>.

*\*Surfaces with high texture will use more material.*

Do not spread the material to more than the maximum m<sup>2</sup> per kit above. Proper wear characteristics are achieved when the aggregate particles are half-buried into the adhesive and this will not occur if there is not enough depth of adhesive. As soon as the resin has been spread uniformly, the aggregate must be applied to the resin surface, using an excess to ensure complete coverage. It is vitally important that this is carried out as soon as possible after spreading and certainly within 5 minutes. Aggregate will not adhere properly to semi-cured or cured adhesive. Once the resin has cured, the excess aggregate can be swept or vacuumed off and reused if clean and un-contaminated. Tape should be removed as soon as the resin has started its initial cure and no longer flows. It is usually safe to remove the tape up to 45 minutes after resin application unless the ambient temperature is very cold in which case it may be left longer. Leaving the tape removal too long will result in an unsightly edge and can even result in areas being pulled up. A treated area can normally be swept or vacuumed from 3 to 5 hours after application depending on an ambient temperature of 35°C down to 3°C respectively. Day joints can be achieved by taping along an appropriate line and applying the resin and aggregate up to it. Remove the tape, wait for the resin to cure and brush the excess aggregate back from the edge. Carefully apply resin up to this line, but not over it and then broadcasting aggregate as before. Tape can be applied to the completed portion and removed immediately after scattering the aggregate.

## Contact details

Star Uretech, Enterprise House, Hollin Bridge Street, Blackburn, Lancashire, BB2 4AY  
Tel: +44 (0)1254 663444, Fax: +44 (0)1254 681886, Email: info@star-uretech.com, Web: www.star-uretech.com