

Description

Centrecoat ArmourCoat UltraGrip 3 is a heavy duty, 3 part flexible binder which when broadcasted with natural or synthetic aggregates creates a slip resistant profiled surface. Suitable for car parks, ramps and pedestrian walkways. Suitable aggregates are washed and dried bauxites, granites or basalts (natural or coloured). For vehicular use, use 1 - 3mm aggregate. For pedestrian use, use 0.5 - 1.5mm aggregate.

- ▶ Hard wearing, tough and slightly flexible
- ▶ Seamless
- ▶ Rapid installation / minimal downtime

Suitable Substrates

Centrecoat ArmourCoat UltraGrip 3 is suitable for use on concrete, polymer modified sand/cement screeds, suitable asphalt, wood and steel surfaces.

Appearance

Natural buff / beige.

Preparation

Inadequate preparation will lead to loss of adhesion and failure. In flow applied systems there is a tendency for the finish to mirror imperfections in the substrate. Grinding or light vacuum-contained shot-blasting is therefore preferred over planing for these systems on concrete unless a highly textured finish is desired. Percussive scabbling or acid etching is not recommended. Asphalt is a flexible material and will flow, flex and move and often suffer surface cracking. It should therefore be anticipated that cracks will also appear in the resin bonded surfacing.

New asphalt should have a PEN number below 100 and should be at least one month old to ensure that any volatiles have escaped before applying the resin. The asphalt should be free of any oils and/or greases and washed down with a proprietary degreaser if necessary and thoroughly dried. A higher PEN number indicates a softer, weaker, more flexible material which is more likely to result in cracking and potential failure of the installation. It is not uncommon for asphaltic surfaces to be badly formed, especially on domestic driveway and paths, and for this reason resin bonded surfacing is best applied to structurally sound concrete or screed. When applying to asphalt, it is better to apply to surfaces containing a larger aggregate, 6-10 mm or larger. Any open textured surface should be filled with a scratch coat to minimise the amount of resin lost within the pores of the surface.

Priming

A primer is not always necessary as Centrecoat ArmourCoat UltraGrip 3 has excellent bond strength to well prepared concrete, sand/cement screeds, suitable asphalt, timber and steel. Bond strength testing to BS EN 13892-8 should be carried out where doubt exists.

Where there is a risk of excessive resin absorption into the substrate due to high surface porosity, [Centrecoat ArmourCoat Multi-Use Primer](#) should be used. Surfaces should have a relative humidity of <75%. Where the substrate relative humidity is >75%, [Centrecoat Armourcoat Epoxy DPM](#) should be used.

Mixing

Prior to mixing, the temperature of all three components should be between 15 and 25°C. Add the hardener component to the beige resin component and mix using a low speed electric mixer (300-400 rpm) for approximately 30 seconds until blended. Transfer to a larger mixing vessel or rotary drum mixer ensuring that the contents are fully scraped out. Add the aggregate component in stages, mixing for a minimum of 3 minutes and scraping sides of vessel until a uniform, lump-free mix is obtained. If using a drill & paddle, keep the mixing head fully submerged to avoid

the entrapment of air. Decant the mixed material to a second mixing vessel and mix as above for a further minute.

Application

Distribute the mixture immediately onto the surface using a steel float, pin rake or squeegee and spike roller thoroughly within 5 minutes to remove trapped air. Plan the work area to ensure a constant wet edge and work within the working time of the material.

Broadcast the aggregate into the binder within 15 minutes of mixing in thin layers until a stone-rich surface has been achieved. Monitor the broadcast area to ensure that any bare areas which may appear are re-broadcast promptly. The excess aggregate can be swept off as soon as the binder is hard enough to accept foot traffic.

Centrecoat ArmourCoat UltraGrip 3 can be applied at temperatures between 5 - 30°C. At low temperatures the material will exhibit less flow than at warmer temperatures and may be more difficult to apply at low thicknesses. The maximum substrate and atmospheric relative humidity should be 75%.

The substrate and uncured floor must be kept at least 3°C above the dew point to reduce the risk of condensation or blooming on the surface, from before priming to at least 24 hours after application. Surfaces must be completely dry before installation otherwise the material may blister and/or de-bond.

Technical Data

- ▶ Pot Life: 10 minutes at 20°C
- ▶ Ready For Light Foot Traffic: 6 hours at 20°C
- ▶ Fully Cured For Heavy Duty Traffic: 24 hours at 20°C
- ▶ VOC: Complies with category j type SB (< 500 g/l)

The above times are a guide only. These times can vary due to prevailing site conditions. The typical physical properties given above are derived from testing in a controlled laboratory environment. Results derived from testing field-applied samples may vary dependent upon site conditions.

Coverage Rate

1.8 kg/m² per mm thickness. Minimum 2 mm thickness. The applied thickness should be approximately half the nominal particle size of the broadcast aggregate. Coverage figures given are theoretical. Practical coverage rates may vary due to wastage factors and the type, condition, profile and porosity of the substrate.

Maintenance

Regular cleaning is essential to enhance and maintain the life expectancy and appearance of the floor. Resin bonded aggregate systems can be easily cleaned using a low pressure hose, rotary scrubber drier or wet vacuum. Do not use high pressure hoses as the high pressure could lead to de-bonding of the aggregate.

Storage

Store off the ground in unopened packs in a dry store, under cover between 10°C and 30°C out of direct sunlight. Protect from frost.

Packaging

Available in 28.66 Kg

Limitations

Do not proceed with application if atmospheric relative humidity is, or is anticipated to be, >75% or if the surface

temperature is $< 3^{\circ}\text{C}$ above the dew point. Application should not commence when the substrate temperature or the ambient temperature is, or is anticipated to be $< 5^{\circ}\text{C}$ during the application or within the curing period.