

CPR Bund Coat 1 is a three-pack slurry, consisting of equal volumes of Epoxy Resin BASE and Flexibilised Amine CURING AGENT components, together with graded FILLER. The mixed material provides a waterproof, flexible, abrasion resistant, and seamless wearing surface, to which slip resistant, or skid resistant characteristics can be conferred by the broadcasting of an appropriate aggregate. CPR 611 – Bund Coat 1 may be applied to concrete or steel surfaces.

Typical Properties

- Slip resistant/skid resistant finish
- Excellent resistance to water and chemicals
- Flexible
- Extremely durable and hard wearing
- Very good adhesion to concrete and steel surfaces
- Coloured finish (range)
- Suitable for vehicular traffic

Directions for Use

Surface Preparation

- All surfaces shall be sound, clean, and free from dust, grease, scale, and other contaminants.
- **New concrete** shall be a minimum of 21 days old and or/ have a residual moisture content of <6%. Laitance shall be removed, preferable by mechanical means such as grit blasting. Any honeycombing or blow holes shall be filled using [CPR 702 – Epoxy Bonding Adhesive](#), [CPR 719 – Epoxy Concrete Patch Repair Mortar](#) or even CPR 611 itself.
- **Steel** Substrates shall be grit blasted to a bright metal finish (Sa 2.5 minimum), and to provide a minimum 75-micron (medium) blast profile, removing all dust.

Priming

- **Concrete** substrates – a coat of [CPR 401 – Concrete Primer – Epoxy WB](#) may be applied on porous surfaces at a nominal rate of 0.2kg/m² and allowed to dry/cure for a minimum of 1 hour prior to CPR 611 application.
- **Steel** substrates – No primer is required if the CPR 611 – Bund Coat 1 application immediately follows preparation.

Mixing

- CPR 611 – Bund Coat 1 is supplied as a three-component pack.
- Each component is pre-weighed and ready to mix.
- Pour the contents of the CURING AGENT container into the BASE container and mix thoroughly by spatula or low speed drill/stirrer.

- The mixed resins shall be poured into a forced action mixing vessel, (Creteangle bucket or similar), and the FILLER added steadily whilst the mixer is in motion.
- Mix for 2-3 minutes until a uniform material is achieved.

Application

- The mixed CPR 611 product shall be poured onto the prepared surface and spread out with a roller, a serrated trowel or steel float to the required thickness.
- The material may be spiked rolled, as necessary, but this will not usually be required when an aggregate broadcast is to be made.
- Where a slip/skid resistant finish is required, coloured Calcined Bauxite (Sight grip), Dynagrip, or other appropriate aggregate e.g., Quartz gravel, shall be broadcast at a nominal rate of 6-12kg/m², depending on slurry thickness.
- The following day excess aggregate shall be swept from the surface.

Equipment Cleaning

- Clean equipment with [CPR 201 – Tool Clean Solvent](#) prior to curing.

Curing

- The floor may be opened to light foot traffic after 12 hours cure @ 20°C, and to vehicular traffic following 24 hours cure @ 20°C.
- NOTE: Lower ambient and substrate temperatures will result in extended curing times.

Storage and Shelf Life

- Store in dry conditions at temperatures between 10°C and 25°C.
- Avoid low temperature storage prior to use of the material.
- Do not expose to freezing conditions.
- CPR 611 – Bund Coat 1 has a minimum shelf life of 12 months when stored in original, unopened containers in accordance with manufacturer's instructions.

Packaging

- CPR 611 is supplied in 5kg and 15kg packs

Coverage

- A 5kg pack is sufficient to coat 8.3m² of surface with the recommended two coat treatment, providing an overall d.f.t. of 450 microns approx.
- NOTE: The thickness of the overall system will be dependent on the type and quantity of aggregate used to 'blind' the surface.

Technical Data

- Colour: BS or RAL colours available on request
- Pot Life: 40 minutes @ 20°C
- Walk on time: 12 hours @ 20°C
- Cure time before vehicular traffic: 24 hours @ 20°C
- Time before immersion: 1 day @ 20°C
- Full chemical resistance: 7 days @ 20°C
- Temperature range during application: 3°C to 40°C
- Temperature range in service: -20°C to 60°C

Limitations

- Do not apply to wet or uncured concrete surfaces.
- Do not apply at temperatures of 3°C or less.

Health and Safety

- Wear gloves and goggles.
- Wash off splashes immediately with soap and water.
- Any eye contamination must be rapidly irrigated with copious amounts of water, and immediate medical attention sought.
- Please refer to Material Safety Data Sheet for additional information.
- CPR 820 - Self Levelling Deck Coat shall be applied strictly in accordance with the manufacturer's instructions.
- For specific advice regarding any aspect of this product please consult our Technical Team.

Legal Notice

Whilst all reasonable care is taken in compiling technical data on the Company's products, all recommendations, or suggestions regarding the use of such products are made without guarantee, since the conditions of use are beyond the control of the Company.

It is the customer's responsibility to satisfy himself that each product is fit for the purpose for which he intends to use it, that the actual conditions of use are suitable and that in the light of our continual research and development program the information relating to each product has not been superseded.