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## Technical Centre

- **Ireland**: Technical Centre
- **Turkey**:
- **Cyprus**
- **Algeria**
- **Egypt**
- **Jordan**
- **South Africa**
- **Sweden**
- **UK**
- **Ireland**
- **Cyprus**
- **Algeria**
- **Egypt**
- **Jordan**
- **South Africa**

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## Countries

- **China (Shanghai)**
- **Russia (West)**
- **Russia (East)**
- **South Korea**
- **Vietnam**
- **Thailand**
- **UAE**
- **Pakistan**
- **UAE**
- **Pakistan**
- **UAE**
- **Pakistan**
Established in 1980, the Terraco Group offers an extensive range of quality environmentally friendly construction finishing materials. These include plastering systems, concrete repair systems, putties, skimming and jointing compounds, exterior insulation finishing systems (EIFS / ETICS), decorative interior and exterior wall coatings, waterproofing, tiling systems and more.

Included in the range of products is a dynamic group of floor finishing options to create a lasting impression. The process begins with the concrete floor being prepared and levelled using Terraco Terrascreed Self Levelling Floor Screeds.

The floor surface is then treated with one of the following Terraco Flooring Range products:

- Decorative Floor Coatings  decoFloor
- Epoxy Floor Coatings  Epirok
- Acrylic Floor Coatings  DiamondCoat
- Resin Surface Coatings  Addagrip
- Sports Flooring Systems  Flexipave
- Concrete Pavement Protection  1000 System (Airfields)

These floor coatings are designed for use on suitably prepared concrete floors in a variety of demanding applications.
Self-levelling Floor Screeds

Terrascreed™ is a functional range of high performance, self-levelling floor compounds used to create a flat and smooth surface prior to application of the final floor finishes. These floor screeds have a compressive strength similar to or higher than that of traditional concrete prior to installing interior floor coverings such as PVC, Vinyl, rubber, carpets, tiles and wood flooring.

The range includes:
- A general purpose self-levelling grade for 2mm to 10mm thickness
- A high build grade for greater thickness application of 5mm to 30mm
- A high strength grade for more demanding conditions with a thickness of 3mm to 5mm

These self-levelling floor screeds are made of modified polymer to ensure high flow characteristics and, in contrast to traditional concrete, do not require the addition of excessive amounts of water for placement.
Surface Preparation

Surface preparation, including priming, is the most important aspect of any flooring system installation. A floor coating system is only as good as the substrate onto which it is applied. A sound, clean and dry substrate is essential to achieve maximum adhesion of the primer to the substrate. Failure to suitably prepare and prime the substrate may cause a flooring system failure in many instances.

New concrete floors
- Concrete should be more than 28 days old and have a moisture content of less than 5%.
- The substrate should be sound and free from oil, grease, laitance and loose friable material.
- Any laitance must be removed mechanically (diamond grinding or vacuum assisted shot blasting).
- All dust and other debris should then be removed by vacuum cleaning.

Old concrete floors
- Ensure that old concrete surfaces, in particular substrates in contact with the ground, have not absorbed excess moisture and have a moisture content of less than 5%.
- Ensure that the substrate is free from oil, grease, laitance and loose friable matter.
- Ensure that any loose, cracked, damaged or contaminated concrete is removed by diamond grinding or vacuum assisted shot blasting.
- All repairs to the concrete floor must be done using Terraco Epirok RC 2-K (a two component, solvent-free, epoxy based repair compound).
- Damaged concrete around exposed reinforcing bars should be broken out around the full diameter and cleaned by grit blasting before priming with Terraco Epiprime ZR (a 2-K zinc rich corrosion inhibiting primer).
- The repaired substrate using Terraco Epirok RC 2-K must be ground or sanded to the same level as the adjacent floor. No sanding is required if an epoxy screed of more than 3mm is to be applied.
- Any laitance or old floor coating must be removed mechanically (diamond grinding or vacuum assisted shot blasting).
- All areas that have been repaired, sanded and primed must be vacuumed to remove all dust and grit particles before applying the floor coating.
Terrascreed™ GP 100 - General Purpose

Terrascreed GP 100 is a general purpose, single component, cementitious, polymer modified, self-levelling screed and floor compound used internally to level new or existing substrates from 2mm to 10mm in order to receive all kinds of floor coverings.

Areas of Use
Used over new or existing concrete or screeded floors which require levelling prior to laying the flooring system. It can be used in many areas such as:
- Industrial, commercial and office buildings
- Hotels, airports, hospitals and schools
- Apartments and private residential homes

Features & Benefits
- Highly fluid and easily workable
- Good self-levelling capacity
- Good adhesion to the substrate
- Provides a smooth, high quality surface
- Ultra-low VOC

Application

New concrete floor: Concrete must be fully cured for 28 days.
Existing concrete floor: All cracks, chips, voids and damages should be repaired first.
- Ensure that all dust, dirt and foreign matter are scraped, brushed or vacuumed away.
- Apply one coat of Terraco P Primer Clear and allow to cure for 6 hours. On extremely absorbent, porous surfaces or under extreme climatic conditions, apply 2 to 3 coats.
- Mix the Terrascreed GP 100 with the recommended amount of water using a high speed mixer or hand agitator for 3 minutes, until the mixture is free from lumps.
- Pour the Terrascreed GP 100 on to the surface and spread with a smoothing trowel to the required thickness. The product will flow out to find the correct level.
- A spiked roller is then rolled through the laid material to remove air pockets which might otherwise cause unsightly pin holes.

<table>
<thead>
<tr>
<th>Coverage</th>
<th>1.66 kg/m²/mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packaging</td>
<td>23 kg paper bag</td>
</tr>
<tr>
<td>Thickness of layer</td>
<td>2 - 10 mm</td>
</tr>
<tr>
<td>Water demand</td>
<td>4.6 - 5.3 litres of water / 23 kg Terrascreed GP 100</td>
</tr>
<tr>
<td>Compressive strength at 28 days</td>
<td>Over 20 N/mm²</td>
</tr>
<tr>
<td>Flexural strength at 28 days</td>
<td>Over 5 N/mm²</td>
</tr>
<tr>
<td>Bond strength</td>
<td>B 1</td>
</tr>
</tbody>
</table>

Note: Properties mentioned above are based on controlled laboratory samples and tests. Results may differ under site conditions based upon varying mixing methods and equipment, temperature, and application methods.
Terrascreed™ HB100 - High Build

Terrascreed HB 100 is a high build single component, quick drying, cementitious, polymer modified, self-levelling floor and screed compound used internally to level new or existing substrates from 5mm to 30mm in order to receive vinyl, carpets, tiles, and wood flooring.

**Areas of Use**
- Superior underlay for vinyl and timber floor coverings
- It may be used under carpet and tile if quick covering time is required
- Reinstatement of new or existing concrete floors that are subject to foot traffic, industrial equipment, and fork lift traffic or trolleys
- Residential, commercial and industrial applications
- Heavy industrial traffic areas
- Wet areas (not immersed)
- With underfloor heating

**Features & Benefits**
- A quick-setting, polymer modified, cementitious compound
- Excellent adhesion and strength properties
- Versatile - ideal for professionals and DIY enthusiasts
- Ideal for new floors and renovation work
- Used in conjunction with underfloor heating, it can increase heat transfer by ±30%
- Optimum drying speed allowing foot traffic within as little as 24 hours
- Ultra-low VOC

**Application**

**New concrete floor:** Concrete must be fully cured for 28 days.

**Existing concrete floor:** All cracks, chips, voids and damages should be repaired first.

- Ensure that all dust, dirt and foreign matter are scraped, brushed or vacuumed away.
- Apply one coat of Terraco P Primer Clear and allow to cure for 6 hours. On extremely absorbent, porous surfaces or under extreme climatic conditions, apply 2 to 3 coats.
- Mix the Terrascreed HB 100 with the recommended amount of water using a high speed mixer or hand agitator for 3 minutes, until the mixture is free from lumps.
- Pour the Terrascreed HB 100 on to the surface and spread with a smoothing trowel to the required thickness. The product will flow out to find the correct level.
- A spiked roller is then rolled through the laid material to remove air pockets which might otherwise cause unsightly pin holes.
- The surface can normally be walked on after 12 hours.

<table>
<thead>
<tr>
<th>Coverage</th>
<th>1.66 kg/m²/mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packaging</td>
<td>25 kg paper bag</td>
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<tr>
<td>Thickness of layer</td>
<td>5 - 30 mm</td>
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<tr>
<td>Water demand</td>
<td>5.0 - 5.25 litres of water / 25 kg Terrascreed HB 100</td>
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<tr>
<td>Compressive strength at 28 days</td>
<td>Over 20 N/mm²</td>
</tr>
<tr>
<td>Flexural strength at 28 days</td>
<td>Over 5 N/mm²</td>
</tr>
<tr>
<td>Bond strength</td>
<td>B 0.5</td>
</tr>
</tbody>
</table>

Note: Properties mentioned above are based on controlled laboratory samples and tests. Results may differ under site conditions based upon varying mixing methods and equipment, temperature, and application methods.
Terrascreed™ HS100 - High Strength

Terrascreed HS 100 is a high strength, single component, quick setting, cementitious, polymer modified, self-levelling floor and screed compound used internally to level concrete floors and screeds prior to the installation of the floor finishing system.

Areas of Use
- This product is suited for use on heavy-duty industrial floors in hospitals, laboratories and wine cellars.
- It is ideal for applying over existing tiles.
- Particularly suited to car park floors where access to the surface is required as soon as possible.
- Especially suited to areas subjected to wheel chairs.

Features & Benefits
- High compressive strength
- Easy workability - self-levelling
- Excellent substrate adhesion
- Rapid setting
- Ultra-low VOC

Application

**New concrete floor:** Concrete must be fully cured for 28 days.

**Existing concrete floor:** All cracks, chips, voids and damages should be repaired first.

- Ensure that all dust, dirt and foreign matter are scraped, brushed or vacuumed away.
- Apply one coat of Terraco P Primer Clear and allow to cure for 6 hours. On extremely absorbent, porous surfaces or under extreme climatic conditions, apply 2 to 3 coats.
- Mix the Terrascreed HS 100 with the recommended amount of water using a high speed mixer or hand agitator for 3 minutes, until the mixture is free from lumps.
- Pour the Terrascreed HS 100 on to the surface and spread with a smoothing trowel to the required thickness. The product will flow out to find the correct level.
- A spiked roller is then rolled through the laid material to remove air pockets which might otherwise cause unsightly pin holes.
- The surface can normally be walked on after 3 hours.

<table>
<thead>
<tr>
<th>Coverage</th>
<th>1.5 kg/m²/mm</th>
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<tbody>
<tr>
<td>Packaging</td>
<td>25 kg paper bag</td>
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<tr>
<td>Thickness of layer</td>
<td>3 - 5 mm</td>
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<tr>
<td>Water demand</td>
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<td>Compressive strength at 28 days</td>
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<tr>
<td>Flexural strength at 28 days</td>
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</tr>
<tr>
<td>Adhesive strength</td>
<td>Over 1.2 N/mm²</td>
</tr>
<tr>
<td>Abrasion resistance</td>
<td>Within 0.15 mg/mm²</td>
</tr>
</tbody>
</table>

Note: Properties mentioned above are based on controlled laboratory samples and tests. Results may differ under site conditions based upon varying mixing methods and equipment, temperature, and application methods.
Decorative Floor Coatings

decoFloor™ is a compilation of bespoke designer floor finishes for today’s contemporary interior designer. These floor finishes are tailor-made by the applicator to create a unique bespoke floor finish.

The range consists of:

- Floor coatings designed to give the appearance of an exposed concrete floor
- Metallic and / or pearlescent seamless floor coatings
- Floor finishes incorporating decorative flakes and / or quartz

Each floor coating has unique properties and features to meet the creative needs of the interior designer and decorator.
Stucco Vintage™ G200 is a versatile floor mineral based coating designed to give the appearance of a natural cast concrete floor and has excellent strength, abrasion resistance and durability.

It is sometimes finished with a clear, resin based epoxy topcoat resulting in an attractive sheen which is easy to maintain, while, depending on the interior designers preference and colour scheme, it is also available in a range of modern colours.

Features and Benefits
- Hard-wearing
- High durability
- For interior floors
- Two component product: cementitious powder + liquid resin
- Available in 7 standard colours
- Finish system with epoxy clear coating to protect the designer floor (suitable for areas not subject to UV)

Areas of Use
- Food courts
- Cafes and Bars
- Commercial offices
- Retail spaces

Application (onto concrete substrate)

Ensure new and old substrates are clean, dry, sound, and suitably prepared. Apply P Primer Clear.

After mixing the 2 components as per mixing instructions, apply Stucco Vintage G200 using a stainless steel notched trowel.

Scatter water drops on to the wet Stucco Vintage G200 and create desired pattern using a stainless steel trowel.

Allow to dry for 2 to 3 days. Ensure moisture content is below 5%, apply epoxy or polyurethane clear top coat.

Colours

- FG100 Standard
- FG200 Dark Grey
- FG300 Yellow
- FG400 Red
- FG500 Green
- FG600 Brown
- FG700 White
Stucco Vintage™ S200 - Interior Floor Coating

Stucco Vintage S200 is a high strength interior floor coating, specifically formulated to be used over existing non-porous floor coverings to replicate the appearance of exposed concrete.

Features and Benefits
- Used over non-porous floors – ceramic tiles, epoxy coatings
- High bonding strength
- For interior floors
- Two component product: cementitious powder + liquid resin
- Available in 7 standard colours
- Finish system with epoxy clear coating to protect the designer floor (suitable for areas not subject to UV)

Areas of Use
- Coffee shops
- Cafés
- Restaurants
- Hotels & resorts
- Private homes and apartments

Colours

<table>
<thead>
<tr>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS100 Standard</td>
</tr>
<tr>
<td>FS200 Dark Grey</td>
</tr>
<tr>
<td>FS300 Yellow</td>
</tr>
<tr>
<td>FS400 Red</td>
</tr>
<tr>
<td>FS500 Green</td>
</tr>
<tr>
<td>FS600 Brown</td>
</tr>
<tr>
<td>FS700 White</td>
</tr>
</tbody>
</table>

Features and Benefits

Coverage: 4.5 kg/m² (3 mm thick)
Packaging: 23 kg plastic pail
Drying time: 48 hours
Tools: Stainless steel notched trowel
Water: 15.2 kg powder + 4.8 kg liquid
Shelf life: 6 months in original unopened packaging

Application (onto concrete substrate)

1. Clean surface and allow to dry.
2. Apply Epirok RC 2-K epoxy repair compound to level the surface.
3. After mixing the 2 components as per mixing instructions, apply Stucco Vintage S200 using a stainless steel notched trowel.
4. Scatter water drops on to the wet Stucco Vintage S200 and create desired pattern using a stainless steel trowel.
5. Allow to dry for 2 to 3 days. Ensure moisture content is below 5%, apply epoxy or polyurethane clear top coat.
Addazing™ - Designer Resin Flooring

Addazing provides a twist in designer flooring by incorporating the use of metallic and / or pearlescent pigments in the floor coating. Each floor, each mix and every finish is as individual as the people who choose it. The chemistry that makes this possible means that no two finishes are alike, creating fancy floors with a "wow" factor that can be as subtle or as bold as you like.

Areas of Use
As no two floors are alike, the variety of finishes and looks are in the hands of the applicator. Addazing is perfect for play areas, showrooms, boardrooms, passages and offices. They need to be shown off, making them ideal in retail, leisure and domestic properties.

Features and Benefits
- Seamless
- Highly decorative finish
- Every floor is unique
- Hard-wearing
- Vast choice of colours
- Solvent Free

Surface Preparation
- The surface to be treated should be free of laitance, oil, grease and loose friable particles which could affect adhesion.
- Vacuum assisted shot blasting or diamond grinding of the surface is recommended.
- The substrate must have a maximum of 4% moisture content and be protected from any moisture ingress from underneath.

Mixing
- Keep all components at room temperature 24 hours before use.
- Addazing is supplied in units ready to use comprising of Component A (Resin) and Component B (Hardener).
- Stir thoroughly Component A to a homogenous consistency.
- Add Addazing pigments into Component A, typically 10 grams of Addazing pigments are added to 1 kg of Addazing. Carefully mix in pigments to achieve a uniform consistency.
- Scrape contents of Component B into Component A and mix thoroughly for several minutes using a low speed electric drill. Use protective gloves and goggles. Failure to mix thoroughly will result in poor or non-cure applied material.
- The temperature of the substrate must be 3 degrees above the dew point temperature of the room. Addazing should not be applied at temperatures below 10˚C nor above 30˚C.
- Relative humidity should not exceed 80%.

Application
- For the most effective colour a black background must be used. This can be achieved by applying a layer of EP Addaflor or EP Adda-level SL2K.
- Apply the mixed Addazing immediately by fixed head roller / squeegee onto the prepared surface.
- Particular attention should be given to areas around obstructions and protrusions making sure that all surfaces are covered.
- We recommend that a PU matt or semi-gloss top coat is applied to protect the surface from scratches.

<table>
<thead>
<tr>
<th>Coverage</th>
<th>0.7 – 1.0 kg/m²</th>
</tr>
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<tbody>
<tr>
<td>Packaging</td>
<td>Supplied in various pack sizes. Maximum 5 kg Mixing ratio: 1.75 : 1 by weight</td>
</tr>
<tr>
<td>Colour</td>
<td>Achieved by adding Addazing Pigments</td>
</tr>
<tr>
<td>Pot life at 20°C</td>
<td>15 minutes</td>
</tr>
<tr>
<td>Drying time at 20°C</td>
<td>Surface dry: 6 to 8 hours Full cure: 7 days</td>
</tr>
</tbody>
</table>
Addaflake™ - Designer Resin Flooring

Addaflake is a two component, fast curing polyurethane, coloured base coat designed to hold a blend of coloured paint flakes over coated with a UV stable matt or gloss top coat to provide a surface with excellent wear and scratch resistance. The coloured flakes are available in a standard range of colours or bespoke finishes can be developed for designers and customers to create their own unique floor.

Areas of Use
- Sport training facilities
- Schools and universities
- Showrooms
- Car collectors’ garages

Features and Benefits
- Excellent wearing surface
- Good scratch resistance
- Available in two options - gloss or sheen*
- UV stable

Surface Preparation
- The surface to be treated should be free of laitance, oil, grease and loose friable particles which could affect adhesion.
- Vacuum assisted shot blasting or diamond grinding of the surface is recommended.
- The substrate must have a maximum of 4% moisture content and be protected any moisture ingress from underneath.

Mixing
- Keep all components at room temperature 24 hours before use.
- Addaflake is supplied in units ready to use PU comprising Component A (Resin) and Component B (Hardener).
- Stir thoroughly contents of Component A to a homogenous consistency.
- Scrape contents of Component B into Component A and mix thoroughly for several minutes using a low speed electric drill. Use protective gloves and goggles. Failure to mix thoroughly will result in poor or non-cure applied material.
- The temperature of the substrate must be 3 degrees above the dew point temperature.
- Addaflake should not be applied at temperatures below 10˚C nor above 30˚C.
- Relative humidity should not exceed 70%.

Application
- Apply the mixed Addaflake immediately by trowel / squeegee on to the prepared surface and back roller as quickly as possible.
- Particular attention should be given to areas around obstructions and protrusions making sure that all the surfaces are covered.
- Once cured apply two coats of PU Addagrip Fast Cure Sealer, allowing drying time between coats.
- If a matt finish is required, apply a further coat of Addamatt.

<table>
<thead>
<tr>
<th>Coverage</th>
<th>± 0.45 kg/m²</th>
</tr>
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<tbody>
<tr>
<td>Packaging</td>
<td>Component A</td>
</tr>
<tr>
<td></td>
<td>Component B</td>
</tr>
<tr>
<td></td>
<td>Mixing ratio</td>
</tr>
<tr>
<td>Colour</td>
<td>White or black base with colour coming from the addition of the flakes</td>
</tr>
<tr>
<td>Pot life at 20°C</td>
<td>15 minutes</td>
</tr>
</tbody>
</table>
| Drying time at 20°C       | Surface dry: 2 to 3 hours  
                                | Full cure: 7 days            |

* Note: Gloss is the standard finish, but a top coat can provide a matt or semi-matt finish.
Epoxy Floor Coatings

Epirok™ solvent free floor coatings are available in gloss or non-slip finishes. These floor coatings reduce maintenance costs as they are easy to clean, hygienic, hard-wearing, with excellent abrasion, impact resistance and mechanical strength.

The range includes:
- An epoxy primer
- An epoxy repair compound
- A heavy duty epoxy screed
- A high build epoxy coating
- A non-slip epoxy coating
- A self-levelling epoxy screed

Epirok floor coatings are for use on suitably prepared concrete floors in a variety of demanding applications such as workshops, car parks, cold storage and food processing facilities, showrooms, assembly halls, warehouses, aircraft hangers, industrial plants, engineering workshops and heavy traffic areas.
Colour Range

Although every precaution has been taken to ensure the accuracy of the colours represented herein—due to printing processes they should be considered indicative.

* Not available for Epirok HDS.
Epirok® EP1 Epoxy Primer

Epirok EP1 is a two component, solvent free epoxy primer that is suitable for use in cold, hot or humid conditions.

Comprising of a high quality grade epoxy resin and a unique curing agent, this versatile epoxy primer has been formulated to exhibit excellent adhesion and penetration properties. This makes it a suitable primer for most epoxy based coatings and screed systems.

**Areas of Use**
- A primer for epoxy coatings
- A primer for self-levelling screeds
- A primer for epoxy screeds including silica sand broadcasting
- A binder for epoxy repair pastes or mortar compounds

**Features & Benefits**
- Solvent free
- Excellent inter-coat adhesion with most epoxy systems
- Excellent adhesion properties to most substrates
- Ease of application

**Surface Preparation**
- For new or old concrete floors please refer to the Surface Preparation page. Prime concrete floor using Epirok EP1 and allow to cure.

**Mixing Instructions**
- Both components of Epirok EP1 must be stored at 10°C for a period of 12 hours prior to mixing / application.
- Decant the entire contents of the Epirok EP1 Component B (Activator) into the Epirok EP 1 Component A (Resin) and mix thoroughly for approximately 2 minutes, preferably using a slow speed drill mixer with a spiral head attachment, until it is uniform in colour.
- Decant the entire content into a clean empty container and mix again.
- Do not place material in direct sunlight prior to application.
- Never mix part kits (ratios are critical).

**Application**
- The area to be primed should be demarcated to ensure that the correct wet film thickness is obtained and maintained.
- Do not apply to substrates above 35°C and do not apply in direct sunlight.
- Decant the mixed material onto the substrate in narrow lines in the demarcated area.
- The primer should be applied in a thin, evenly distributed, continuous film, using a short or medium pile roller depending on the substrate profile.
- Always use good quality rollers, especially if a gloss finish top coat of less than 500 microns is to be applied.
- Always use a stiff bristle brush when applying the primer in corners or areas requiring repairs.
- Allow to cure overnight, apply a further coat of primer if dry patches are visible within 24 hours.

<table>
<thead>
<tr>
<th>Coverage</th>
<th>One 4 Ltr kit of Epirok EP1 should cover 20 m² at a wet film thickness of 0.2 mm</th>
</tr>
</thead>
</table>
| Packaging | Epirok EP1 Component A is supplied in 5 litre metal tin. Contents: 2.590 kg  
Epirok EP1 Component B is supplied in 2 litre metal tin. Contents: 1.710 kg  
Note: Larger pack sizes are available upon request |
**Epirok RC 2-K Epoxy Repair Compound**

Epirok RC 2-K is a two component, solvent free, epoxy based repair compound. This high quality interior concrete floor repair compound has been carefully formulated using a combination of selected epoxy resins, modified hardeners, and graded fillers to ensure that the product is abrasion and impact resistant. It also provides excellent chemical resistance.

### Areas of Use
- For filling cracks up to 5mm
- For filling blow holes and damaged concrete floors
- For repairing damaged joints in concrete floors
- Can be used as a levelling scraper coat

### Features & Benefits
- Solvent free
- Long pot life
- Non slump
- Can be sanded to a smooth finish

### Surface Preparation
- For new or old concrete floors please refer to the Surface Preparation page. Prime concrete floor using Epirok EP1 and allow to cure.

### Mixing Instructions
- Decant the Epirok RC 2-K Component A (Resin - White) and Epirok RC 2-K Component B (Activator - Black) onto an impervious board or smooth flat metal sheet.
- Mix the two components thoroughly with a trowel or scraper with an overlaying method until a uniform grey colour is achieved. There must be no striations of black or white in the product after mixing.

### Application
- Apply the paste to the substrate that requires repairing using a steel trowel or scraper.
- Allow to set-up and then float to a smooth finish.
- Allow to cure overnight then sand level any visible protruding trowel or scraper marks.

<table>
<thead>
<tr>
<th>Coverage</th>
<th>1 litre/m² (@ 1 mm thickness)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packaging</td>
<td>Epirok RC 2-K Component A - 2 litre metal tin. Contents 2,930 kg</td>
</tr>
<tr>
<td></td>
<td>Epirok RC 2-K Component B - 2 litre metal tin. Contents 2,730 kg</td>
</tr>
<tr>
<td>Pot life @ 30°C</td>
<td>50 minutes</td>
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<tr>
<td>Drying time</td>
<td>Surface dry: 8 hours (@ 24°C)</td>
</tr>
<tr>
<td></td>
<td>Ready to step on: 24 hours</td>
</tr>
<tr>
<td></td>
<td>Full Cure: 7 days</td>
</tr>
<tr>
<td>Temperature limits</td>
<td>Do not apply below 5°C or above 35°C</td>
</tr>
<tr>
<td>Adhesion to concrete</td>
<td>2.5 N/mm². ASTM D 4541-02 Note: Failure occurred within the concrete substrate.</td>
</tr>
<tr>
<td>Chemical resistance</td>
<td>pH 2.5 with H₂SO₄ : No change (after 48 hours) ASTM D 543</td>
</tr>
<tr>
<td></td>
<td>pH 11.0 with NaOH : No change (after 48 hours) ASTM D 543</td>
</tr>
<tr>
<td></td>
<td>NaCl 3% : No change (after 48 hours) ASTM D 543</td>
</tr>
<tr>
<td></td>
<td>Solvent acetone : No change (after 48 hours) ASTM D 543</td>
</tr>
<tr>
<td></td>
<td>Oil (lubricating oil) : No change (after 48 hours) ASTM D 543</td>
</tr>
</tbody>
</table>

Note: Blistering, loss of gloss, discolouration, swelling etc. were not observed.
Epirok® HDS Heavy Duty Epoxy Screed

Epirok HDS is a three component, solvent free, interior epoxy screed system, applied manually from 6mm to 9mm. Epirok HDS is designed to protect concrete against wear and abrasion, while still providing an aesthetically pleasing finish.

Areas of Use
- In areas subjected to heavy traffic and mechanical wear such as engineering workshops and warehouse isles.
- Can also be used as a repair compound for concrete floors to be epoxy coated.

Features & Benefits
- Solvent free
- Long pot life
- Excellent mechanical strength

Surface Preparation
- For new or old concrete floors please refer to the Surface Preparation section. Prime concrete floor using Epirok EP1, broadcast with aggregate as key, and allow to cure.

Mixing Instructions
- Epirok HDS should be stored overnight between 20°C and 25°C prior to application.
- Decant Epirok HDS Component B into Epirok HDS Component A and mix, using a drill mixer with spiral head attachment.
- Decant the above mixture into a paddle type pan mixer.
- Slowly add Epirok HDS Component C into the above mixture whilst mixing, using the paddle type pan mixer. Mix for approximately 3 minutes. Never use part components or split kits.
- Scrape off any dry aggregate of Epirok HDS Component C from the walls of the pot or paddle and mix for an additional 2 minutes.

Application
- Empty the pot contents onto the primed substrate and spread to desired thickness, using flat bars as guides.
- Wipe solvent onto trowel to stop material sticking to trowel.
- Float the levelled screed material with a PVC float to the required finish.
- Do not overlay material when levelling out, as this will entrap air below the material being applied.
- Scrape out all material from the pot before the next mix.
- Do not apply outdoors.

<table>
<thead>
<tr>
<th>Coverage</th>
<th>2 kg/m² @ 1 mm thickness (Application thickness 6 mm - 9 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packaging</td>
<td>Epirok HDS Component A - 4 litre metal tin. Contents: 2.415 kg</td>
</tr>
<tr>
<td></td>
<td>Epirok HDS Component B - 2 litre metal tin. Contents: 1.585 kg</td>
</tr>
<tr>
<td></td>
<td>Epirok HDS Component C - 25 kg paper bag. Contents: 25 kg</td>
</tr>
<tr>
<td></td>
<td>One 29 kg kit will yield 14.5 litres of material.</td>
</tr>
<tr>
<td>Pot life @ 30°C</td>
<td>180 minutes</td>
</tr>
<tr>
<td>Drying time</td>
<td>Surface dry: 18 hours (@ 24°C) Full Cure: 7 days</td>
</tr>
<tr>
<td>Abrasion resistance</td>
<td>52 mg weight loss after 1000 cycles</td>
</tr>
<tr>
<td>Adhesion to concrete</td>
<td>3.40 N/mm² Note: Failure occurred within the concrete substrate. BS 1881 Part 207</td>
</tr>
<tr>
<td>Density</td>
<td>2000 kg/m²</td>
</tr>
<tr>
<td>Flexural strength</td>
<td>24.0 N/mm² (7 days)</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>15.1 N/mm² (7 days)</td>
</tr>
<tr>
<td>Compressive strength</td>
<td>65.2 N/mm² (7 days)</td>
</tr>
<tr>
<td>Colours</td>
<td>Standard colour range is available</td>
</tr>
</tbody>
</table>

For new or old concrete floors please refer to the Surface Preparation section. Prime concrete floor using Epirok EP1, broadcast with aggregate as key, and allow to cure.
Epirok HBC is a high build, hard-wearing, abrasion and chemical resistant, solvent free, non-slip, epoxy based, interior floor coating ideally suited when a durable, hygienic and aesthetic finish is required. This flooring system is available in three options: fine, medium or standard non-slip finishes.

Areas of Use
Epirok HBC provides a hard-wearing, abrasion and chemical resistant floor coating. It is ideally suited for use on concrete floors, in areas such as light duty workshops, warehouses, car parks, showrooms and aircraft hangars.

Features & Benefits
- Durable coating, low maintenance costs
- Hard-wearing
- Abrasion and chemical resistant
- Easy to clean

Surface Preparation
- For new or old concrete floors please refer to the Surface Preparation page. Prime concrete floor using Epirok EP1 and allow to cure.

Mixing Instructions
- The coating must be applied between 24 and 36 hours after priming.
- Mix Epirok HBC Component A (Resin) well using a drill mixer with a spiral head attachment.
- Add the entire contents of the Epirok HBC Component B (Activator) to the Epirok HBC Component A whilst mixing using a drill and paddle, then pour some back into pot B, mix again, and return to Part A pot.
- Mix until uniform in colour and then decant into a clean container and mix again.

Surface Finishes

Gloss Finish
- Pour mixed product onto the demarcated and primed substrate in order to obtain and maintain the correct spreading rate as per the DFT (dry film thickness) specified. Apply the coating with a good quality short nap roller for applications less than 500microns.
- Two coats will be required for applications above 200 microns.
- For applications above 500 microns up to 1mm the coating must be applied using a gauging trowel to achieve the DFT specified then spike rolled to level and expel any entrapped air in the coating.

Non-slip Finish
1st coat application
- Immediately after the 1st topcoat of Epirok HBC has been applied, broadcast the selected Terraco Aggregate lightly at first then fully cover any exposed coated area.
- The 1st topcoat of Epirok HBC must be completely covered by the silica aggregate particles to represent sample submitted.
- Varying profiles of non-slip can be achieved by broadcasting less aggregate into the 1st topcoat of Epirok HBC.
- Allow to cure overnight.
- The following day, use a hard broom and vacuum cleaner to remove all loose aggregate particles. Use a steel float to scrape off any high profiles on the broadcasted surface. Sweep or vacuum again to remove all loose aggregate particles.

2nd coat application
- The finish coat must be applied between 24 and 36 hours after the first coat application.
- Mix Epirok HBC Component A with Component B as instructed above.
- Once the mixture is ready, decant onto the floor in thin narrow lines.
- Spread the coating with a medium pile roller ensuring complete coating of silica aggregate.
- Uneven application will result in gloss patches in the cured coating system.
Epirok® HBC - continued

### Coverage

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Coverage @ 30°C</th>
<th>@ Pot Life @ 30°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fine</td>
<td>Epirok HBC (4 litre kit)</td>
<td>16.0 m²</td>
<td>60 minutes</td>
</tr>
<tr>
<td>Medium</td>
<td>Epirok HBC (4 litre kit)</td>
<td>12.9 m²</td>
<td></td>
</tr>
<tr>
<td>Standard</td>
<td>Epirok HBC (4 litre kit)</td>
<td>8.0 m²</td>
<td></td>
</tr>
</tbody>
</table>

Note: Consumption rates may vary due to substrate conditions, preparation and application techniques.

### Material Consumption

<table>
<thead>
<tr>
<th>Material Consumption</th>
<th>1st coat HBC</th>
<th>Aggregate #4</th>
<th>Aggregate #5</th>
<th>Aggregate #1</th>
<th>2nd coat HBC</th>
</tr>
</thead>
<tbody>
<tr>
<td>HBC Fine Non-slip</td>
<td>75 ml/m²</td>
<td>0.6 kg/m²</td>
<td></td>
<td></td>
<td>175 ml/m²</td>
</tr>
<tr>
<td>HBC Medium Non-slip</td>
<td>80 ml/m²</td>
<td></td>
<td>0.8 kg/m²</td>
<td></td>
<td>230 ml/m²</td>
</tr>
<tr>
<td>HBC Standard Non-slip</td>
<td>125 ml/m²</td>
<td></td>
<td></td>
<td>1.0 kg/m²</td>
<td>375 ml/m²</td>
</tr>
</tbody>
</table>

### Packaging

- Epirok HBC Component A - 5 litre metal tin.
- Epirok HBC Component B - 2 litre metal tin.
- Epirok HBC Component A and B - 4 litres.
- Terraco Aggregates - 25 kg paper bags.

Note: Larger pack sizes are available upon request.

### Pot life @ 30°C

- 60 minutes

### Drying time

- Surface dry: 18 hours (@ 24°C)
- Full Cure: 7 days

### Abrasion resistance

- 112 mg weight loss after 1000 cycles

### Adhesion to concrete

- 2.19 N/mm²
- BS 1881 Part 207

### Chemical resistance

- pH 2.5 with H₂SO₄: No change (after 48 hours)
- pH 11.0 with NaOH: No change (after 48 hours)
- NaCl 3%: No change (after 48 hours)
- Solvent acetone: No change (after 48 hours)
- Oil (lubricating oil): No change (after 48 hours)

Note: Failure occurred within the concrete substrate.

### Density

- 1.2342 g/ml
- ASTM D 1475-90

### Flexural strength

- 14.5 N/mm² (7 days)
- ASTM C 580

### Tensile strength

- 11.2 N/mm² (7 days)
- ASTM C 307

### Colours

- Standard colour range is available in fine, medium or standard non-slip finish.
Epirok CPC is a solvent free, epoxy based, hard-wearing and abrasion resistant interior floor coating ideally suited to floors requiring a non-slip, durable and aesthetic finish. This flooring system is available in three options: fine, medium or standard non-slip finishes.

Areas of Use

It is specifically formulated for car park floors and other high traffic areas. It is also suitable for other floor areas which require a low to high profile non-slip finish. A thorough evaluation of operational activities to be carried out on the floor must be done to establish the most suitable floor coating.

Features & Benefits

- Non-slip finish
- Solvent free
- Hard-wearing
- Abrasion resistant

Surface Preparation

- For new or old floors please refer to the Surface Preparation section. Prime concrete floor using Epirok EP1 and allow to cure.

Mixing Instructions

- The first coat must be applied between 24 and 36 hours after priming.
- Mix Epirok CPC Component A (Resin) using a drill mixer with a spiral head attachment.
- Add the entire contents of the Epirok HBC Component B (Activator) to the Epirok CPC Component A whilst mixing using a drill and paddle, then pour some back into pot B, mix again, and return to Part A pot.
- Mix until uniform in colour and then decant into a clean container and mix again.

Application

Non-slip Finish – 1st coat

- Pour the mixed product onto the primed substrate, which should be demarcated in order to obtain and maintain the correct spreading rate as per the consumption rates specified for the non-slip finish required.
- Apply the coating with a short nap roller.
- Ensure that there is no pooling or flooding of the product prior to the non-slip aggregate broadcasting.

The 1st topcoat must not exceed consumption rates specified.

Non-slip Finish – Broadcast the aggregate

- Immediately after first topcoat has been applied, broadcast the selected Terraco Aggregate lightly at first then fully cover the entire coated area.
- The 1st topcoat must be completely covered by the silica aggregate particles.
- Various profiles of texture finishes can be achieved by scattering less aggregate into the 1st coat application. Please note that using less aggregate will consume less product in the 2nd coat application, but this will result in reduced non-slip properties.
- Allow to cure overnight.
- The following day, use a hard broom and vacuum cleaner to remove all loose excess silica aggregate particles. Using a steel float, scrape off any high points on the broadcasted surface. Sweep or vacuum clean again to remove all loose aggregate particles.

Non-slip Finish – 2nd coat

- The finish coat must be applied between 24 and 36 hours after the first coat application.
- Mix Epirok CPC Component A with Component B as instructed above.
- Once the mixture is ready, decant onto the floor in thin narrow lines.
- Care must be taken to ensure no pooling of the product or flooding of the surface whilst applying this final coat.
- Uneven application with result in areas appearing to have no texture / anti-slip material.
**Epirok® CPC - continued**

<table>
<thead>
<tr>
<th>Coverage</th>
<th>Fine Epirok CPC (4 litre kit)</th>
<th>Medium Epirok CPC (4 litre kit)</th>
<th>Standard Epirok CPC (4 litre kit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pot life @ 30°C</td>
<td>50 minutes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Abrasion resistance</td>
<td>76.7 mg weight loss per 1000g sample</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adhesion to concrete</td>
<td>2.7 N/mm²</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemical resistance</td>
<td>Oil (lubricating oil) No change (after 48 hours)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>14331 kg/ltr</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flexural strength</td>
<td>42.3 N/mm² (7 days)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tensile strength</td>
<td>22.1 N/mm² (7 days)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Colours</td>
<td>Standard colour range is available in fine, medium or standard non-slip finish</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Pot life @ 30°C**
- 50 minutes

**Drying time**
- Surface dry: 18 hours (@ 24°C)
- Full Cure: 7 days

**Abraision resistance**
- 76.7 mg weight loss per 1000g sample

**Adhesion to concrete**
- 2.7 N/mm²

**Chemical resistance**
- Oil (lubricating oil): No change (after 48 hours)

**Density**
- 14331 kg/ltr

**Flexural strength**
- 42.3 N/mm² (7 days)

**Tensile strength**
- 22.1 N/mm² (7 days)

**Colours**
- Standard colour range is available in fine, medium or standard non-slip finish

<table>
<thead>
<tr>
<th>Material Consumption</th>
<th>1st coat CPC</th>
<th>Aggregate #4</th>
<th>Aggregate #5</th>
<th>Aggregate #1</th>
<th>2nd coat CPC</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPC Fine Non-slip</td>
<td>75 ml/m²</td>
<td>0.6 kg/m²</td>
<td></td>
<td></td>
<td>175 ml/m²</td>
</tr>
<tr>
<td>CPC Medium Non-slip</td>
<td>80 ml/m²</td>
<td></td>
<td>0.8 kg/m²</td>
<td></td>
<td>230 ml/m²</td>
</tr>
<tr>
<td>CPC Standard Non-slip</td>
<td>125 ml/m²</td>
<td></td>
<td></td>
<td>1.0 kg/m²</td>
<td>375 ml/m²</td>
</tr>
</tbody>
</table>

**Packaging**
- Epirok CPC Component A - 5 litre metal tin.
- Epirok CPC Component B - 2 litre metal tin.
- Epirok CPC Component A and B: 4 litres.
- Terraco Aggregates - 25 kg paper bags.

**Drying time**
- Surface dry: 18 hours (@ 24°C)
- Full Cure: 7 days

**Chemical resistance**
- Oil (lubricating oil): No change (after 48 hours)

<table>
<thead>
<tr>
<th>Material Consumption</th>
<th>1st coat CPC</th>
<th>Aggregate #4</th>
<th>Aggregate #5</th>
<th>Aggregate #1</th>
<th>2nd coat CPC</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPC Fine Non-slip</td>
<td>75 ml/m²</td>
<td>0.6 kg/m²</td>
<td></td>
<td></td>
<td>175 ml/m²</td>
</tr>
<tr>
<td>CPC Medium Non-slip</td>
<td>80 ml/m²</td>
<td></td>
<td>0.8 kg/m²</td>
<td></td>
<td>230 ml/m²</td>
</tr>
<tr>
<td>CPC Standard Non-slip</td>
<td>125 ml/m²</td>
<td></td>
<td></td>
<td>1.0 kg/m²</td>
<td>375 ml/m²</td>
</tr>
</tbody>
</table>

**Packaging**
- Epirok CPC Component A - 5 litre metal tin.
- Epirok CPC Component B - 2 litre metal tin.
- Epirok CPC Component A and B: 4 litres.
- Terraco Aggregates - 25 kg paper bags.

**Material Consumption**

<table>
<thead>
<tr>
<th>Material Consumption</th>
<th>1st coat CPC</th>
<th>Aggregate #4</th>
<th>Aggregate #5</th>
<th>Aggregate #1</th>
<th>2nd coat CPC</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPC Fine Non-slip</td>
<td>75 ml/m²</td>
<td>0.6 kg/m²</td>
<td></td>
<td></td>
<td>175 ml/m²</td>
</tr>
<tr>
<td>CPC Medium Non-slip</td>
<td>80 ml/m²</td>
<td></td>
<td>0.8 kg/m²</td>
<td></td>
<td>230 ml/m²</td>
</tr>
<tr>
<td>CPC Standard Non-slip</td>
<td>125 ml/m²</td>
<td></td>
<td></td>
<td>1.0 kg/m²</td>
<td>375 ml/m²</td>
</tr>
</tbody>
</table>

**Packaging**
- Epirok CPC Component A - 5 litre metal tin.
- Epirok CPC Component B - 2 litre metal tin.
- Epirok CPC Component A and B: 4 litres.
- Terraco Aggregates - 25 kg paper bags.

**Pot life @ 30°C**
- 50 minutes

**Surface dry**: 18 hours (@ 24°C)

**Full Cure**: 7 days

**Consumption rates may vary due to substrate conditions, preparation and application techniques.**

**Standard colour range is available in fine, medium or standard non-slip finish.**

---

Image: Warehouse with Terraco products.
Epirok® SLS Self-Levelling Epoxy Screed

Epirok SLS is a high gloss, smooth, solvent free, self-levelling, three component, 2 to 3mm epoxy screed ideally suited for interior floor areas where hygiene and ease of cleaning is of importance.

Areas of Use
- Cold food processing facilities
- Automated warehouses
- Aircraft hangers
- Light industrial plants
- School assembly halls

Features & Benefits
- Excellent chemical resistance
- Excellent abrasion resistance
- Hygienic properties
- High gloss, smooth finish
- Solvent free

Surface Preparation
For new or old floors please refer to the Surface Preparation section. Prime concrete floor using Epirok EP1 and allow to cure.

Mixing Instructions
- Mix the Epirok SLS Component A (Resin) well using a heavy duty drill mixer with a spiral head attachment.
- Whilst mixing, decant the Epirok SLS Component B (Activator) into the Epirok SLS Component A container and mix for 1 minute.
- Transfer the mixed material into a portable pan mixer. Whilst mixing, slowly add the Epirok SLS Component C (Filler) into the Epirok SLS Component A + B mixture.
- Continue mixing until the mixture is free of lumps.
- The mixing time should not exceed 3 minutes.
- Ensure a spatula or scraper is at hand to scrape the sides of the pan mixer pot and paddle.
- When the material is free of lumps it should be decanted onto the primed surface.

Application
- Spread the mixed Epirok SLS to the desired thickness using a gauging trowel.
- Immediately after the material is spread, roll the material with a spiked roller to remove entrapped air and to level the product.
- The spike rolling must be thorough and should overlap the previous rolling operation.
- This rolling can continue whilst the product is still levelling out. Do not apply in thicknesses in excess of 3mm.
- Where mixes overlap, ensure that the previous mix and the placed mix are fused together to form a continuous screed of colour and thickness.
- Always have enough spike rolling operators on the floor as mixing and spreading will be faster than the rolling.
- Operators must wear spike shoes with rounded spikes to prevent any puncture or break in the primer coat.

Please take the following precautions when applying the self-levelling epoxy screed:
- Ensure adequate mixing of the product prior to decanting onto the floor.
- Never reduce the filler quantities to improve flow.
- Epirok SLS Component A must be mixed well prior to adding Epirok SLS Component B.
- Mixing time per kit of Epirok SLS must be consistent throughout the application.
- Never split or mix part kits (ratios are critical).
- Do not apply on substrates with a substrate temperature above 35°C.
- Do not apply in direct sunlight.
# Epirok SLS - continued

<table>
<thead>
<tr>
<th>Coverage</th>
<th>3.75 litres/m² @ 2 mm thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packaging</td>
<td>Epirok SLS Component A - 5 litre plastic bucket. Epirok SLS Component B - 4 litre plastic bucket. Epirok SLS Component C - Packed in paper bags. 1 Kit of Epirok SLS will yield 7.5 litres.</td>
</tr>
<tr>
<td>Contents :</td>
<td>3.820 kg 1.915 kg 8.250 kg</td>
</tr>
<tr>
<td>Pot life @ 30°C</td>
<td>30 - 45 minutes ASTM D 2471</td>
</tr>
<tr>
<td>Drying time</td>
<td>Surface dry: 24 hours (@ 24°C) Full Cure: 7 days ASTM D 4060-01</td>
</tr>
<tr>
<td>Abrasion resistance</td>
<td>144 mg weight loss per 1000 cycles using CS-17 abrasive wheels ASTM D 1475-90</td>
</tr>
<tr>
<td>Density</td>
<td>1.8340 g/cc ASTM D 1475-90</td>
</tr>
<tr>
<td>Flexural strength</td>
<td>28.1 N/mm² ASTM C 580-96</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>18.2 N/mm² (7 days) ASTM C 307-94</td>
</tr>
<tr>
<td>Compressive strength</td>
<td>48.9 N/mm² ASTM C 579</td>
</tr>
<tr>
<td>Adhesion to concrete</td>
<td>3.3 N/mm² BS 1881 Part 207</td>
</tr>
<tr>
<td>Note:</td>
<td>FAILURE OCCURRED WITHIN THE SUBSTRATE</td>
</tr>
</tbody>
</table>

## Chemical resistance

- pH 2.5 with H₂SO₄: Slight colour change and gloss loss (after 48 hours)
- pH 11.0 with NaOH: No change (after 48 hours)
- NaCl 3%: Slight colour change and gloss loss (after 48 hours)
- Solvent acetone: No change (after 48 hours)
- Hydraulic Oil: White spots observed on the poured area (after 48 hours)
- Soap Solution: No change (after 48 hours)

### Epirok® Quick Guide

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Epirok EP1</th>
<th>Epirok HBC</th>
<th>Epirok CPC</th>
<th>Epirok SLS</th>
<th>Epirok HDS</th>
<th>Epirok RC 2-K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Solvent free, high build epoxy coating</td>
<td>Solvent free, non-slip epoxy coating</td>
<td>Solvent free, self-levelling epoxy screed</td>
<td>Solvent free, heavy duty epoxy screed</td>
<td>High strength, impermeable epoxy repair compound</td>
<td></td>
</tr>
<tr>
<td>Drying Time (@ 24°C)</td>
<td>Surface Dry: 8 hrs</td>
<td>Surface Dry: 18 hrs Full cure: 7 days</td>
<td>Surface Dry: 24 hrs Full cure: 7 days</td>
<td>Surface Dry: 24 hrs Full cure: 7 days</td>
<td>Surface Dry: 8 hrs Walk on: 24 hrs</td>
<td></td>
</tr>
<tr>
<td>Pot Life @ 30°C ASTM D2471</td>
<td>50 minutes</td>
<td>60 minutes</td>
<td>50 minutes</td>
<td>30-45 minutes</td>
<td>180 minutes</td>
<td>50 minutes</td>
</tr>
<tr>
<td>Finish</td>
<td>N/A</td>
<td>Gloss or non-slip</td>
<td>Non-slip</td>
<td>Gloss</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Colours</td>
<td>N/A</td>
<td>16 Standard colours</td>
<td>16 Standard colours</td>
<td>10 Standard colours</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Coverage</td>
<td>20 m² @ 200 microns wet film thickness / 4 litre kit.</td>
<td>8 m² @ 500 microns dry film thickness / 4 litre kit</td>
<td>Please refer to datasheet</td>
<td>2 m² @ 2 mm thickness / 7.5 litre kit</td>
<td>2.5 m² @ 6 mm thickness / 14.5 litre kit</td>
<td>4 m² @ 1 mm thickness / 4 litre kit</td>
</tr>
<tr>
<td>Application Method</td>
<td>Roller</td>
<td>Roller / Gauging trowel and spike roller</td>
<td>Roller</td>
<td>Gauging trowel and then spike rolling</td>
<td>PVC float</td>
<td>Steel float / scraper</td>
</tr>
<tr>
<td>Packaging</td>
<td>2 component - 4 litre kit</td>
<td>2 component - 4 litre kit</td>
<td>2 component - 4 litre kit</td>
<td>3 component - 7.5 litre kit</td>
<td>3 component - 14.5 litre kit</td>
<td>2 component - 4 litre kit</td>
</tr>
<tr>
<td>Storage</td>
<td>12 months in original unopened containers. Products to be stored in 15 - 25°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Acrylic Floor Coating Systems

DiamondCoat™ is an acrylic waterborne floor coating based on a new generation of hydrophobic polymers. This allows these products to provide outstanding durability with excellent chemical and water resistance.

The product is available in a range of attractive colours, is suitable for both interior and exterior applications and is available in smooth and non-slip versions. DiamondCoat is available as a:
- Clear Acrylic Floor Sealer
- Pigmented Acrylic Floor Coating System in mid-sheen or matt options

As a result of the new generation polymers, these products have a self-crosslinking mechanism which imparts excellent block and chemical resistance to the coating film making it ideal for use on light industrial floors. Furthermore, DiamondCoat has excellent hot tyre pick-up resistance allowing the product to be applied on garage floors.
DiamondSeal™ is an acrylic, waterborne, clear floor sealer developed using a hydrophobic polymer. Its ultra-fine particle size enables deep penetration into the substrate ensuring excellent dust-proofing and sealing properties.

It goes on milky white and dries to a clear finish, enhancing the natural character of your surface. As a clear coat DiamondSeal is completely UV transparent and does not yellow.

**Areas of Use**
DiamondSeal is designed for use as a concrete floor sealer and dust-proofer for bare concrete.

**Features and Benefits**
- Excellent dust-proofing characteristics
- Excellent adhesion to a suitably prepared substrate
- Excellent durability
- Non-yellowing film
- Chemical resistant
- Water resistant

**Surface Preparation**

**New concrete floors**
- Ensure that all surfaces where DiamondCoat is to be applied are level.
- Concrete should be more than 28 days old and have a moisture content of less than 5%.
- The substrate should be sound and void of oil, laitance and loose friable material.
- Any laitance must be removed mechanically (diamond grinding or grit blasting).
- All cracks, chips, voids and damaged areas should be repaired using a blend of Terramix Fine (5kg) with DiamondSeal (1kg) and water (0.25-0.5 ltr.).
- This repair compound should be allowed to cure for 3 days prior to application of the primer coat.
- All dust and other debris should then be removed by vacuum cleaning.

**Old concrete floors**
- A sound, clean and dry concrete floor is essential to achieve maximum adhesion.
- Ensure that the substrate is void of oil, grease, laitance and loose friable matter.
- All cracks, chips, voids and damaged areas should be repaired using a blend of Terramix Fine (5 kg) with DiamondSeal (1 kg) and water (0.25-0.5 ltr.).
- This repair compound should be allowed to cure for 3 days.
- The repaired substrate must be ground or sanded to the same level as the adjacent floor.
- All areas requiring repairs must be cut back 10mm into the substrate to provide a good key for repair mortar. This procedure is critical especially on damaged joint areas.
- All dust and other debris should then be removed by vacuum cleaning.

**Application**
Application is done by brush, roller or spray in two coats, allowing four hours drying time between coats. Clean tools and equipment with water after use. Coated areas can be put back into service after 24 hours.

<table>
<thead>
<tr>
<th>Coverage</th>
<th>0.2 - 0.3 kg/m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drying time</td>
<td>4 to 6 hours between coats (@ 24°C)</td>
</tr>
<tr>
<td>Application method</td>
<td>Brush, roller or spray</td>
</tr>
<tr>
<td>Hardness (Koenig Pendulum)</td>
<td>41 (3 days), 57 (10 days)</td>
</tr>
<tr>
<td>Adhesion to concrete</td>
<td>3.5 N/mm²</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Resistance</th>
<th>Brake fluid</th>
<th>Sulphuric acid 25%</th>
<th>Ammonia 25%</th>
<th>Caustic solution 25%</th>
<th>Ethanol 20%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Good</td>
<td>Good</td>
<td>Good</td>
<td>Good</td>
<td>Good</td>
</tr>
</tbody>
</table>
DiamondCoat™ is an acrylic, waterborne, floor coating consisting of a new generation of hydrophobic polymers to provide a floor coating of outstanding durability with excellent chemical and water resistance. DiamondCoat is available in either a matt or a mid-sheen finish.

The product has a self-crosslinking mechanism during the curing process which imparts good block and chemical resistance to the coating film. The product is available in a standard colour range suitable for both interior and exterior applications.

Areas of Use
DiamondCoat is designed for use on concrete floors in light industrial areas, such as warehouses and workshops, as well as in car parks for pedestrian demarcated areas.

Features and Benefits
- Easy surface preparation
- Fast drying
- Excellent durability
- UV stable
- Chemical resistant
- Excellent hot tyre pick-up resistance

Surface Preparation

New concrete floors
- Ensure that all surfaces where DiamondCoat is to be applied are smooth.
- Concrete should be more than 28 days old and have a moisture content of less than 5%.
- The substrate should be sound and void of oil, grease, laitance and loose friable material.
- Any laitance must be removed mechanically (diamond grinding or vacuum assisted shot blasting).
- All dust and other debris should then be removed by vacuum cleaning.

Old concrete floors
- A sound, clean and dry substrate is essential to achieve maximum adhesion.
- Ensure that the substrate is void of oil, grease, laitance and loose friable matter.
- Prime surface with Epirok EP1 and spray material to achieve maximum coverage.
- All repairs to the concrete floor must be done using Terraco Epirok RC-2K (a two component, solvent-free, epoxy repair compound).
- The repaired substrate must be ground or sanded to the same level as the adjacent floor.
- All areas requiring repairs must be cut back 10mm into the substrate to provide a good key for repair mortar. This procedure is critical especially on damaged joint areas.
DiamondCoat® - continued

Application

- The substrate must be void of any irregularities prior to the primer application e.g., no chips, holes or undulations.
- The Terraco Epirok EP1 Primer must be applied uniformly to prevent flooding or pooling on the surface prior to the Terraco Aggregate broadcasting. All Terraco Aggregates to be used must be uniform in specified grading.
- There must be no dry patches visible on the primed substrate prior to the Terraco Aggregate broadcasting. The primer must be completely covered with the aggregate.
- Depending on the floor finish required (smooth or non-slip), as shown in the table below, the surface is first primed with Terraco Epirok EP1 Primer and immediately covered with the required Terraco Aggregate which is then allowed to dry overnight.
- The following morning sweep off all loose aggregate and vacuum clean. Using a steel trowel scrape off all high points on primed broadcasted surface then vacuum clean again.
- Roller apply the first coat of DiamondCoat and allow to dry for 6 to 8 hours at 24°C. Then apply the second coat of DiamondCoat.

<table>
<thead>
<tr>
<th>Coverage</th>
<th>Epirok EP1</th>
<th>Aggregate #1</th>
<th>Aggregate #4</th>
<th>Aggregate #5</th>
<th>DiamondCoat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smooth (200mi)</td>
<td>0.2 kg/m²</td>
<td>0.6 kg/m²</td>
<td>0.6 kg/m²</td>
<td>0.2 kg/m²</td>
<td></td>
</tr>
<tr>
<td>Smooth (400mi)</td>
<td>0.2 kg/m²</td>
<td>0.6 kg/m²</td>
<td>0.6 kg/m²</td>
<td>0.4 kg/m²</td>
<td></td>
</tr>
<tr>
<td>Smooth (600mi)</td>
<td>0.2 kg/m²</td>
<td>0.6 kg/m²</td>
<td>0.6 kg/m²</td>
<td>0.6 kg/m²</td>
<td></td>
</tr>
<tr>
<td>Non-slip (Fine)</td>
<td>0.2 kg/m²</td>
<td>0.6 kg/m²</td>
<td>0.6 kg/m²</td>
<td>0.25 kg/m²</td>
<td></td>
</tr>
<tr>
<td>Non-slip (Medium)</td>
<td>0.2 kg/m²</td>
<td></td>
<td>0.8 kg/m²</td>
<td>0.31 kg/m²</td>
<td></td>
</tr>
<tr>
<td>Non-slip (Standard)</td>
<td>0.2 kg/m²</td>
<td>1.0 kg/m²</td>
<td></td>
<td>0.6 kg/m²</td>
<td></td>
</tr>
</tbody>
</table>

Note: Consumption rates may vary depending on substrate condition, preparation and application techniques.

Prime with Terraco Epirok EP1 and immediately cover with Terraco Aggregate.

Apply 2 coats of DiamondCoat.
Resin Surface Coatings

Addagrip™ is a range of quality Resin Surfacing Systems used internally and externally. These flooring and landscaping systems are suitable for pedestrian and vehicular traffic.

The Addagrip Resin Bound Porous Surfacing Systems are available in 3 options:
- Addagrip Crystal
- Addagrip Amber
- Addagrip Tree Pit

The Addagrip Surfacing Systems are resin bound and porous, allowing water to percolate through the surface and beyond when a suitable porous base build-up configured for Sustainable Urban Drainage Systems (SuDS) has been installed.
The **Addagrip Crystal Resin Bound Surfacing System** provides a smooth, hard-wearing and low maintenance porous / semi-porous surface using a range of natural aggregates.

The finished surface is flexible, resistant to cracking and can be applied on to asphalt, concrete or other stable substrates.

Addagrip Crystal is a Resin Bound Surfacing System based on a blend of natural aggregates and a natural Aliphatic Polyurethane resin.

Application is by hand or power trowel to create a permeable and smooth finish. The System provides a hard wearing surface that is UV stable, oil resilient and resistant to cracking. Fast installation with up to 300 m² of seamless surfacing applied per day at 18mm depth.

**Areas of Use**
- Driveways
- Swimming pool surrounds
- Landscaping
- Access roads
- Patios
- Cycle tracks
- Theme parks
- Car parks
- Courtyards
- Logos
- Pathways
- Tree pits
- Concrete bridges
- Wood bridges
- Steel bridges
- Playgrounds

**Features & Benefits**
- Clear resin colour range
- Seamless finish
- No loose aggregate
- UV stable
- Hard-wearing
- Low maintenance
The Addagrip Amber Resin Bound Surfacing System with its rich enhanced appearance provides a hard-wearing, low maintenance and smooth porous / semi-porous surface using a range of natural aggregates.

It can be applied on to asphalt, concrete or other stable substrates to provide a finished surface which is flexible and resistant to cracking.

Addagrip Amber is a Resin Bound Surfacing System based on a blend of natural aggregates and a natural Aromatic Polyurethane resin where the colour is enhanced in the initial curing process.

Application is by hand or power trowel to create a permeable and smooth finish.

The System provides a hard-wearing surface that is oil resilient and resistant to cracking. Fast installation with up to 300 m² of seamless surfacing applied per day.

Areas of Use
- Car parks
- Access roads
- Driveways
- Pathways
- Cycle tracks
- Swimming pool surrounds
- Theme parks
- Landscaping
- Playgrounds
- Courtyards
- Tree pits
- Patios
- Concrete bridges
- Wood bridges
- Steel bridges
- Logos

Features & Benefits
- Amber enhanced colour range
- Fast installation
- Provides seamless finish
- No loose aggregate
- Surface is hard-wearing
- Minimal maintenance
Addagrip Tree Pit (TP) Resin Bound System

The Addagrip Tree Pit (TP) Resin Bound System is designed to provide a practical and aesthetically pleasing porous paving system for tree pits using a variety of natural or recycled aggregates.

Addagrip TP is a UV stable, Polyurethane resin binder mixed with our range of 6-10mm natural or recycled washed, clean and dry aggregate and laid to create a porous surface.

The resulting open texture provides a highly porous resin bound surface allowing the tree roots access to both air and water penetration.

Laid at various depths from 25mm to 75mm on to a well compacted base.

A tree collar is recommended to be placed around the tree to allow for growth. Suitable edging detail is required to create a neat appearance.

Areas of Use

It is ideal for tree pits in cities where existing trees are growing in the pedestrian path way, or when new trees are planted. Addagrip Tree Pit is also used to replace metal grids around trees in environmentally conscious residential areas. Ideal for landscaping botanical gardens. This system can also be used for light use footpaths.

Features & Benefits

- SuDS (Sustainable urban Drainage Systems) compliant system
- Allows tree roots access to air and water
- Allows for tree growth
- Aesthetically pleasing finish
- Provides a smooth surface for pedestrians and wheel chairs
- Uses recycled aggregates, subject to availability
System Installation

Surface Preparation

Addagrip Crystal / Amber can be applied on to the following bases:

Asphalt
The ideal base as it is suitable for all types of trafficking subject to the required base build-up, and offers flexibility to help prevent cracking caused by movement. Application to existing asphalt surfaces can be carried out subject to suitability. Freshly laid asphalt should ideally be allowed to cure for a minimum of 7 days prior to installation of the Addagrip surface.

Concrete
Also suitable for all types of trafficking subject to build-up, however, movement joints in the concrete must be reflected through the Addagrip finish. Freshly laid concrete should be allowed to cure for a minimum of 14 days prior to installation of the Addagrip surface.

Compacted crushed rock
Addagrip Resin Bound Surfacing can be applied to a well-compacted base for pedestrian and light trafficking schemes. In this instance, the Addagrip finish should be applied at a minimum depth of 35mm.

Application

1. Charge the mixer with aggregate
2. Mix resin with hardener
3. Add mixed resin to mixer
4. Spread material on surface
5. Compact material using a trowel
6. Compact material with power trowel

Addagrip colour range

Note: Please refer to the latest Addagrip colours on the website as some colours may no longer be available. www.addagrip.co.uk

Addagrip Crystal* Addagrip Amber

| Lucerne Silver (LS-3, 6 & 10 mm) | Chocolate Buff (CB-3, 6 & 10 mm) |
| Scandinavian Pearl (SP-3 & 6 mm) | Dorset Gold (DG-6 & 10 mm) |
| 3mm Cloud* (CCL-9010-3) | Yellow Cream (YC-3 & 6 mm) |
| 3mm Grey* (CGY-9010-3) | Trent (TR-3, 6 & 10 mm) |
| 3mm Green* (CGR-6018-3) | Tuscan Pebble (TP-6 mm) |
| 3mm Blue* (CBL-022-3) | Maple Gold (MG-6 & 10 mm) |
| Maple Gold (MG-6 & 10 mm) | Autumn Gold (AG-3 & 5 mm) |
| Terracotta (TC-3 & 6 mm) | Terracotta (TC-3 & 6 mm) |
| Rustic Tweed (RUT-10 mm) | Rustic Gold (RUG-10 mm) |
| Rustic Gold (RUG-10 mm) | 3mm Yellow* (CYE-1018-3) |
| 3mm Black* (CBK-0101-3) |

*Not suitable for vehicular traffic
More colours available on request.

For Addagrip Tree Pit colours, please contact your nearest Terraco representative.
Sports Flooring Systems

**Flexipave™** is a range of products developed for multi sports surfaces including tennis courts.

These flooring products offer the best solutions for sport surfaces, guaranteeing an excellent playing standard, safety for the players and a long lasting surface.

Flexipave Sports Flooring Systems offer environmentally friendly solutions as the system includes recycled material in its cushioning coats. These water based products use acrylic resin technology to avoid any harmful effects on the environment.
Flexipave™ is suitable for multi sport surfaces such as basketball, volleyball, five-a-side football, handball, badminton, cycling, walking and jogging tracks, and other demanding applications.

The systems used for multipurpose sport surfaces constructed of asphalt or concrete usually consist of a cushioning bottom layer and an anti-slip coloured top coat.

Flexipave is highly resistant to wear, ponding and weather, and they offer excellent protection to the underlying surface. These systems also ensure player or user comfort as they provide superior shock absorbing properties.

**Areas of Use**

The systems are suitable for both inside and outside application. Terraco Flexipave, suitable for application onto asphalt and concrete surfaces and can be used for coating multisport and other types of surfaces.

- Tennis courts
- Basketball courts
- Badminton courts
- Volleyball courts
- Five-a-side football
- Handball courts
- Bicycle paths
- Walking and jogging paths
- School playgrounds

**Features & Benefits**

- **Durable**: Resists the effects of heavy use
- **Versatile**: For indoor and outdoor applications
- **Flexible**: Not affected by temperature extremes
- **UV-stable**: Fade-free colours
- **Economical**: Low consumption and long life
Flexipave™ Tennis Court Systems are designed to cater for the needs of the amateur, intermediate and professional tennis player by providing differing ball speeds off the playing surface.

Flexipave Tennis Court Systems are used for coating hard courts of asphalt or concrete. Asphalt is constructed as a two layer system: the base course and the wearing course. The wearing course is the upper-most layer which then receives the Flexicoat Tennis Court System based on the required court pace, either Medium-slow, Medium or Medium-fast.

Terraco’s technically advanced Flexipave Tennis Court Systems are certified to the International Tennis Federation (ITF) standards of Medium Slow (ITF 2), Medium (ITF 3) and Medium Fast (ITF 4).

**FLEXIPAVE SYSTEM LAYERS**

The following table indicates the possible layers in a Flexipave Tennis Court System. A, B, C, D, E for the number of coats for each layer refer to ITF Category Medium Slow, Medium, and Medium Fast.

<table>
<thead>
<tr>
<th>NUMBER OF COATS</th>
<th>ITF Classification</th>
<th>Layer A</th>
<th>Layer B</th>
<th>Layer C</th>
<th>Layer D</th>
<th>Layer E</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Basecoats</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>1st Cushion Coats (BC)</td>
<td>2</td>
<td>2</td>
<td>-</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2nd Cushion Coats (FC)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Intermediate Finish Coats</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Finishcoat</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>11</td>
<td>9</td>
<td>5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: The layers exclude the substrate surface preparation which is to be carried out prior to the Flexipave System.

The Flexipave Tennis Court Systems offer environmentally sustainable solutions because the systems incorporate the use of recycled materials.

They are easy to apply, extremely durable, require minimal maintenance and are resistant to wear and weather.

Flexipave - for a perfect bounce every time!
Concrete Pavement Protection

The 1000System™ has been developed for the concrete protection of concrete pavements, concrete roads, concrete ramps and concrete steps. It is also used to treat frost damaged, spalled or smooth concrete airfield strips.
The Addagrip® 1000 System resin has been specifically developed to treat frost damaged, spalled or smooth concrete airfield pavements, concrete roads, concrete ramps and steps.

A major problem with concrete is that deterioration is caused by latent defects, chemical attack and frost damage, which over a period of time causes the top of the concrete to break down. This break down may cause a safety or FOD (Foreign Object Damage) problem requiring removal of the affected areas.

The 1000 System resin applied directly onto the prepared concrete pavement is designed to prevent further deterioration. Areas treated over the last twenty years at military and civil airfields have prevented further deterioration, prolonging the life of the concrete pavement by an estimated 10-15 years.

Preparation

The surface preparation of the concrete surface is carried out by applying controlled hot compressed air. The Addagrip Hot Compressed Air System is a combination of propane gas and compressed air ignited in a chamber. The mixture burns at a temperature of approximately 1000°C with the exhaust exiting the chamber at a rate of 350m per second.

As the heat blast comes into contact with the concrete pavement it causes any water, oil or liquid contaminants to vaporise from the top few millimetres. These quickly evaporate from the surface and are blown away by the heat blast, leaving the surface capillary pores empty and open, ready to receive the Addagrip 1000 System resin.

Application

1000 System resin should be applied directly onto the warm and dry prepared surface. As the concrete cools the 1000 System resin will be drawn down into the open and empty capillary pores. This penetration of resin, typically 2-3mm, will lock into the structure of the concrete preventing migration of moisture.

1000 System resin should then be applied at the agreed rate. Coverage rates will depend on the porosity, texture and size of aggregate to be used. Application of the resin is by roller and squeegee or spray machine to large areas.

The 1000 System resin should then be saturated with a chosen washed, clean and dry aggregate. Allow the resin to cure, approximately 8 hours at 15 °C. Sweeping and vacuuming as required should then remove all excess aggregate.
Technical Data Sheets and Material Safety Data Sheets are available from your Terraco representative or on www.terraco.com. Although every precaution has been taken to ensure the accuracy of the colours and textures represented herein they should be considered indicative. Products containing natural aggregates may be susceptible to colour variation and we recommend that you order sufficient quantity for the complete project at one time. Terraco does not warrant the accuracy of the information provided herein and all information is subject to change without notice.