

OVERVIEW

Epirok HDS is a three component, solvent free, 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.

PROPERTIES

Epirok HDS three component, solvent free, epoxy screed comprising of epoxy resins, modified hardeners, precisely graded aggregates and additives. The product offers the following benefits:

- Long pot-life.
- Solvent free.
- Easy to apply.
- Chemical resistant.
- Excellent mechanical strength.
- Abrasion and impact resistant.

AREAS OF USE

Epirok HDS provides a hard wearing, abrasion and chemical resistant floor screed. It is ideally suited for use on areas subjected to heavy traffic and mechanical wear, engineering workshops, maintenance workshops and warehouse aisles. It can also be used as a repair compound for concrete floors to be epoxy coated and as a coving mortar.

PREPARATION OF SURFACE

Concrete should be properly cured, 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. Vacuum shot-blast the entire substrate. Vacuum the substrate prior to priming. Degrease and high pressure clean oil or fat contaminated floor after shot-blasting or scarifying.

PRIMING

Refer to Epirok EP1 technical data sheet.

MIXING

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. Scrape off any dry aggregate of Epirok HDS Component 'C' from the walls of the pot or paddle and continue mixing for an additional 2 minutes.

APPLICATION

Empty the pot contents onto the primed substrate and spread to desired thickness, using flat bars as guides. Float the leveled screed material with a PVC float to the required finish.

Clean all equipment with TERRACO Terrasolve No.1 whilst product is still wet.

Epirok HDS should be stored overnight between 20°C and 25°C prior to application.

PRECAUTIONS:

Do not overlay material when leveling out, as this will entrap air below the material being applied.

Never use part components / split kits.

Scrape out all material from the pot before the next mix.

Do not apply outdoors.

HEALTH & SAFETY

Always wear protective clothing e.g. gloves, safety goggles, protective overalls and safety shoes when working with hazardous chemicals. Dispose of empty containers as per local municipality regulations.

Refer to relevant Material Safety Data Sheet for further information.

PACKAGING & STORAGE

Epirok HDS Component A is packed in a 4 ltr plastic bucket. Contents : 2.415 kg

Epirok HDS Component B is packed in a 2 ltr plastic cup. Contents : 1.585 kg

Epirok HDS Component C is packed in 25 kg paper sacks. Contents : 25 kg

One 29 kg kit will yield 14.5 ltr of material.

Epirok HDS should be stored in a clean, dry area, protected from direct sunlight and between 20°C and 25°C. Unopened containers can be stored for 12 months. Use oldest material first.

TECHNICAL DATA

Product	Heavy duty, solvent free epoxy screed.	
Drying Time	Surface dry: 18 hours. Full Cure: 7 days.	
Pot Life @ 30°C	180 Minutes.	ASTM C 308
Abrasion Resistance	52 mg weight loss after 1000 cycles.	ASTM D 4060:01
Adhesion to Concrete	3.40 N/mm ² . Note: Failure occurred within the concrete substrate.	BS 1881 Part 207
Density	2000 kg/m ³ .	ASTM D 905 - 96
Flexural Strength	24.0 N/mm ² (7 days).	ASTM C 580:96
Tensile Strength	15.1 N/mm ² (7 days).	ASTM C 307:94
Compressive Strength	65.2 N/mm ² (7 days).	ASTM C 579
Colours	10 Standard Colours.	
Material Consumption	2kg / m ² (@ 1mm thickness).	
Application Method	PVC float.	
Packaging	Epirok HDS Component A – 4 ltr plastic bucket. Contents: 2.415 kg Epirok HDS Component B – 2 ltr plastic cup. Contents 1.585 kg Epirok HDS Component C – Valve bag. Contents 25 kg	
Storage	12 months in original unopened containers, when stored between 20 - 25°C.	

TERRACO offers a comprehensive range of products and services for most concrete and finishing needs. Please contact the TERRACO Technical Service Department or your local TERRACO agent for further information, samples, demonstrations and instructor services. The information given in this leaflet is based upon laboratory research, as well as extensive field work and application. All products are sold subject to standard conditions of sale which are available on request. This information is based on TERRACO's present state of knowledge and is intended to provide general information on TERRACO's products and their methods of use. The prospective user is recommended to determine the suitability of TERRACO's suggestions and products before adopting them on a commercial scale.

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