

EPOXY DRYCOTE

INTRODUCTION / FUNCTION:

EPOXY DRYCOTE is based on established epoxy resins. It has been specifically developed to provide a protective coating with thick coat build up and exceptional resistance to chemicals and solvents. In addition DRYCOTE will give pleasant smooth, clear and attractive finish.

EPOXY DRYCOTE can be applied to floors and walls of the usual construction materials including metal (but not to solvent sensitive finishes such as asphalt and bitumen or certain impervious surfaces such as terazzo or highly polished granolithic floors). It can also be used in conjunction with aggregates to produce non slip finishes and has been successfully applied to industrial floors ships decks and galley areas. Our technical department will be pleased to advise on the suitability of using DRYCOTE in any particular circumstance.

EPOXY DRYCOTE can also used for:

- (1) Bonding pre-cast concrete segments.
- (2) Grouting starter rods in horizontal plane.
- (3) Bonding external steel plate reinforcement to concrete.
- (4) Fixing loose tiles and slip bricks.
- (5) Sealing pipe entries.
- (6) Bedding concrete units/tiles/kerbs/plant & machinery pads. Bridge Beams & Bearing Pads
- (7) Sealing gaps and cracks/bolt pockets
- (8) Repairing broken or cracked concrete, brickwork and worn steps.
- (9) Repairing metal guttering.
- (10) Bonding new concrete to old.
- (11) Fixing Cat Eyes and Road Reflectors/Markers.

Technical Data

| | | | | |
|-----------------------|---|---|----|----|
| Hydrochloric Acid 10% | U | U | U | U |
| Nitric Acid 10% | U | U | LA | LA |
| Sulphuric Acid 5% | U | U | LA | LA |
| Acetic Acid 5% | U | U | U | LA |
| Citric Acid 5% | U | U | U | LA |
| Lactic Acid 5% | U | U | U | LA |
| Ammonium Hydroxide 5% | U | U | U | LA |
| Caustic Soda 30% | U | U | U | U |
| Bleach 5% | U | U | LD | LD |
| Brine | U | U | U | LA |
| Sugar Solution | U | U | U | LD |
| Detergents | U | U | U | U |
| Hydraulic Fluids | U | U | U | LA |
| Iso-Propyl Alcohol | U | U | U | U |
| Linseed Oil | U | U | U | U |
| Lemonade Concentrate | U | U | U | U |
| Water | U | U | U | U |
| Petrol & Jet Fuel | U | U | U | U |

KEY: U -- Unaffected D -- Discoloured A -- Affected L -- Slightly

COVERAGE :

This will be affected by the thickness achieved, texture and porosity of the surface. For maximum chemical resistance, obviously a thicker film thickness: Floors (smooth and dense) Brush applied approx. 5m² per Kg. per coat (giving a dry film thickness of approximately 190 microns) Lower coverages, according to porosity and surface texture (especially when sealing in NON SLIP AGGREGATE) or if a trowel or squeegee is used.

COLOUR RANGE:

DRYCOTE is available in CLEAR

Packaging:

EPOXY DRYCOTE is supplied in two separate containers marked Pack A and Pack B.

How to use:

Preparation of Substrate:

Concrete

The surface to be coated must be free from all foreign matter such as dust, dirt, grease, fats, laitence etc. All substrates **MUST** be dry before DRYCOTE is applied. Alternatively, vacuum grit blasting or hot compressed air preparation methods can be employed. Before application the surface should look and feel as medium grit sandpaper.

DRYCOTE will not bridge and/or fill large holes, cracks etc. and these should be made good before proceeding. We recommend the use of EPOXY MORTAR.

The surface to be coated should preferably be smooth, level and free from surface imperfections. If DRYCOTE is applied to uneven surfaces it is likely to run off high spots leaving a thin, and therefore less, hard-wearing covering at these points.

Metal:

Metal surfaces should be shot blasted or similar to remove all rust, loose scale and foreign matter. The prepared surface should then be coated with one coat of a good quality 2 pack etch primer for maximum adhesion.

Mixing and Application:

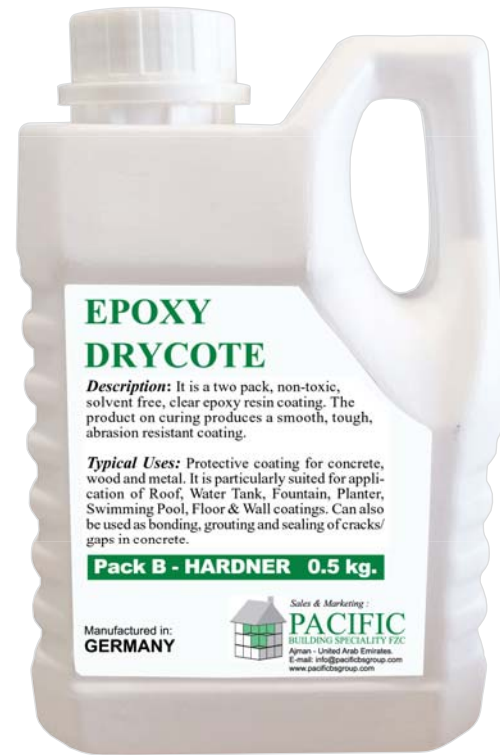
First stir the contents of Pack A. Then add the entire contents of Pack B to Pack A and thoroughly mix together in a separate container. DRYCOTE can be applied by brush or roller (not a foam roller), but for large floor areas, a squeegee or trowel will speed application considerably. Each coat, presuming two or more are applied, must be brushed out at right angles to the previous coat. This will help to avoid pinholing.

Particular attention must be given to the areas around pipes or other protrusions, making sure that the surfaces are fully covered at the point of intrusion, and for what ever distance along the projection is considered to be desirable

When applying by brush to vertical areas we suggest that the mixed material be split into two or three containers preferably of the flat dish type and in equal quantities. This will reduce the volume of material, giving less heat build up and so extending the pot life. Whilst a single coat of DRYCOTE will often be sufficient, a two coat application is recommended for porous surfaces and where maximum protection is required. For best intercoat adhesion the second coat should be applied within 24 hours. Apply to walls in thin coats only, heavy coats end to sag. After application DRYCOTE should not be subjected to steam cleaning.



RESIN



HARDNER

Typical Areas of Use:

Laboratories, hangers, warehouse and storage areas, light industrial units, drive ways, garages, petrol forecourts, tanks, roofs, swimming pools etc.

SET NF:

Where a non slump type of Epoxy Mortar is required, it is recommended to add fine Silica/Quartz Aggregates in EPOXY DRYCOTE in ratio of EPOXY DRYCOTE 1 part to Aggregates 4 to 6 parts according to site requirements. SET NF grade can be formulated with the above method and it is ideal for a variety of bedding, gap filling, repairing horizontal and vertical concrete surfaces and honey combed concrete structures.

POT LIFE AND CURE TIME:

Pot Life is 20-30 minutes for each set, therefore never mix more packs that can be used in this time. Low temperatures retard cure, do not apply at temperatures below 4°C. DRYCOTE is tack free in approximately 4 hours at 15°C, will dry hard overnight and is then suitable for light foot

traffic. Full cure and therefore maximum chemical resistance is achieved after about 14 days.

CLEANING OF TOOLS:

Tools, brushes etc. should be cleaned immediately after use and before the coating has set with CLEANING SOLVENT. On no account use solvents such as White Spirit, Naphta or Methyl Spirits.

HEALTH & SAFETY PRECAUTIONS:

Contains liquid epoxy resin and a polyamine compound. Flammable, flashpoint 52°C. Irritating to eyes, skin and respiratory system. Do not breathe fumes. Wear suitable gloves and eye/face protection. Wash hands thoroughly with soap and water after use. Harmful if taken internally.

Covering capacity figures given in this leaflet are approximate only. They are quoted solely for guidance and are therefore given entirely without responsibility, because conditions of surface and workmanship may vary with each particular job.

While the information and/or specifications given under the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations suggestions by us, our representatives, agent or distributors as the conditions of use and any labour involved are beyond our control.

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GERMANY



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