

GEOCHEM



PROFESSIONAL
BUILDING
CHEMICAL
RANGE

RUBBERISED BITUMEN EMULSION

MULTIPURPOSE WATERPROOFER

Geochem Rubberised Bitumen Emulsion is a multipurpose waterproofer that can be used on walls and floors to prevent water ingress and dampness from the ground. It can also be used on roofs.

Geochem Rubberised Bitumen Emulsion:

- Multipurpose waterproofer that can be used on walls and floors to prevent water ingress dampness from the ground.
- Provides protection against corrosion of pipes & structural steel work.
- Will provide a waterproof membrane on concrete and brick foundation, retaining walls and bridge abutments.
- Provides a key for plaster on difficult surfaces.

SPECIFICATIONS

Geochem Rubberised Bitumen Emulsion complies with the appropriate sections of the following standards:

Specification for road and bridgeworks DOE Clause 2006 (S) Waterproofing for structures.

The Building Regulations British Standard Code of Practice 102 'Protection of Buildings against water from the ground'.

DOE Advisory Leaflet No 23 Damp Proof Courses

Building Research Station Digest No 54 'Damp-proofing solid floors'.

DOE Advisory Leaflet No 77 'Adhesives used in buildings'.



TECHNICAL DATA

Colour	Brown upon application dries black
Solid Content	58% minimum
SG	1.0-+0.02
Storage Life	12 Months stored between 5°C and 25°C in original containers

Specification writers: These values are not intended for use in preparing specifications. Please contact your local **Geocel® Sales Representative** prior to writing specifications on this product.

SURFACE PREPARATION

All surfaces must be free from oil, dirt, dust and loose debris. **Geochem Rubberised Bitumen Emulsion** can be applied to damp but not waterlogged surfaces. Porous and hot dry surfaces should be dampened with clean cold water to assist the application of the product.

APPLICATION

Stir well before use. Apply by brush. Do not apply to external surfaces in wet weather or if rain is likely. Allow good ventilation in confined areas. In multi-coat applications, each coat should be allowed to dry completely before the next coat is applied.

Do not use on interior walls below ground level. It is recommended that you treat the outside to resist exposure to free water or water pressure, conditions which are often found in basements and cellars.

Waterproofing and protection of Structures, Foundations, Retaining walls and bridge abutments.

Apply two coats each at 2m² per litre. When treating foundations, the coating should be taken to meet the damp-proof course provided in the base or wall. **Geochem Rubberised Bitumen Emulsion** may be applied to green concrete surfaces immediately after the shuttering has been removed to act as a curing membrane. It is recommended that 48 hours be allowed to elapse before back-filling.

Concrete beams and columns:

Geochem Rubberised Bitumen Emulsion may be used to provide a damp-proof membrane on concrete beams and columns before they are clad with rendering, masonry or brickwork. Two coats of **Geochem Rubberised Bitumen Emulsion** should be applied, each at 2m² per litre. When the second coat has become tacky it should be blinded with 1 to 2mm stone chippings or clean sharp sand.

Walls:

If rising damp is at all suspected, the best method of prevention is the insertion of a damp-proof course or the repair of the existing one.

Exterior Walls:

Remove all dirt, dust and grease. If the surface is uneven it should be levelled using cement mortar. Bare brickwork should be covered with a thin skin of cement mortar, which should be allowed to dry. Apply three coats of **Geochem Rubberised Bitumen Emulsion** each at 2m² per litre. The final coat should be blinded with clean sharp sand while it is still tacky.

Interior Walls with Moderate Dampness:

Remove the wallpaper, loose distemper paints, dirt, dust and grease and make good any damaged or perished plaster. Lightly dampen the prepared surface and apply two coats of **Geochem Rubberised Bitumen Emulsion** each at 2m² per litre. A section of the wall (about 300mm²) should be left untreated so that any trapped moisture may evaporate away. When decorating over **Geochem Rubberised Bitumen Emulsion** do not use gloss paints or other oil based products. Emulsion paints and wallpapers may be used after first hanging a lining paper, fixed with cellulose paste. Do not use wallpapers based on vinyl.

Interior Walls with Extreme Dampness:

Not advised for interior walls below ground level. It is recommended to treat on the outside as **Geochem Rubberised Bitumen Emulsion** is unlikely to resist exposure to free water or water pressure, conditions which are often found in basements and cellars.

Floors:

Sandwich construction – severe conditions and penetrating damp.

Apply two coats of **Geochem Rubberised Bitumen Emulsion** onto the smooth, clean concrete subfloor, each at 1m² per litre. Whilst the second coat is still tacky, blind with clean sand, as a protection against foot traffic and to provide a good key for the top screed. It is important that the **Geochem Rubberised Bitumen Emulsion** membrane is taken up the walls to marry with the existing DPC and that the dried film is not punctured or damaged. Apply the top finishing screed to a thickness of at least 50mm and allow to dry out thoroughly before laying a floor covering.

Surface Treatment on Existing Floors:

Where severe dampness is unlikely to occur, a surface treatment with **Geochem Rubberised Bitumen Emulsion** will prove an efficient precautionary measure (however, the sandwich construction as described above should always be undertaken if conditions are severe and damp is penetrating). Apply a priming coat at 7.5m² per litre by diluting 1 part **Geochem Rubberised Bitumen Emulsion** with 6 parts clean cold water and allow to dry thoroughly. Two coats of **Geochem Rubberised Bitumen Emulsion** each at 1m² per litre should then be applied. Each coat should be taken up to the joint with the existing DPC and the

dried film of **Geochem Rubberised Bitumen Emulsion** should not be punctured or damaged before the floor covering is laid.

Note: Rubber tiles, pure vinyl tiles, vinyl sheets, rubber foam backed carpet or any floor covering containing appreciable amounts of solvent or plasticizer should not be fixed with, or applied over **Geochem Rubberised Bitumen Emulsion**

Geochem Rubberised Bitumen Emulsion should never be left as the final surface for pedestrian traffic. It should always be covered by a suitable floor covering material.

Plastering on difficult surfaces:

Geochem Rubberised Bitumen Emulsion may be applied to surfaces that have poor keying properties e.g. gloss painted walls, old tiles, to permit the application of plaster. The surface which should be free from grease and dirt, should be coated with two thin layers of **Geochem Rubberised Bitumen Emulsion** at 4.5m² per litre. Whilst the second coat is still tacky it should be blinded with clean sharp sand and allowed to dry for 48 hours before plastering according to Plaster Manufacturers recommendations.

CLEANING

Geochem Rubberised Bitumen Emulsion may be removed before it has set by washing in clean warm water. If the product has set remove as much bitumen as possible by physically scraping and then remove with white spirit. Minor spillages should be wiped off surfaces before the **Geochem Rubberised Bitumen Emulsion** has set. Major spillages should be mopped up immediately with an inert, absorbent material, such as sand, and disposed of in accordance with local regulations.

PACKAGING

Geochem Rubberised Bitumen Emulsion is available in 2.5 Litre, 5 Litre and 25 Litre tins.

HEALTH AND SAFETY

Geochem Rubberised Bitumen Emulsion is non flammable and non hazardous in normal use. However skin contact should be avoided by wearing protective gloves and outer clothing. Eyes should be protected from splashes by wearing goggles. For further information refer to Health and Safety data sheets available on request. EU limit value for this product (Cat C/c) 75g/L. This product contains maximum 20 g/L VOC.

TECHNICAL SERVICE

For further technical information, advice on suitability for specific applications, or detailed Health and Safety information, contact **Geocel® Technical Service**.

IMPORTANT NOTE The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Geocel's products are safe, effective and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Geocel's sole warranty is that the product will meet the Geocel sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

Geocel specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability.

Geocel disclaims liability for any incidental or consequential damages.

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