



TECHNICAL DATA SHEET FLEXICOAT

Issue 5 June 2016

Description:

A rubberised bitumen emulsion. General purpose product used on walls and floors to prevent water ingress and dampness from the ground. Can also be used as wood block floor adhesive.

Typical Properties:

Specific Gravity: 1.00 ± 0.02
Flashpoint: Non Flammable
Solids Content: 52% minimum
Colour: Brown upon application, dries to black.

Uses:

Flexicoat will provide a waterproof membrane on concrete and brick foundations, retaining walls and bridge abutments. It protects concrete structures against attack by sulphates present in soils.

Flexicoat can be used as a waterproofer for floors and walls.

Flexicoat is also highly effective as an adhesive for bonding wood block and wood mosaics, expanded polystyrene and cork tiles and provides a key for plaster on difficult surfaces.

Application Instructions:

All surfaces should be sound, stable and free from dust, dirt, grease, oil and all loose matter. Flexicoat may 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.

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

Waterproofing and Protection of Structures, Foundations, Retaining Walls and Bridge Abutments:

Apply 2 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. Flexicoat 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:

Flexicoat 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 Flexicoat should be applied, each at 2m² per litre. When the second coat has become tacky it should be blinded with 1 to 2 mm stone chippings or clean sharp sand.

Walls:

If rising dampness 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: Issue 5 June 2016

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 Flexicoat each of 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 Flexicoat each at 2m² per litre. A section of the wall (about 300mm) should be left untreated so that any trapped moisture may evaporate away. When decorating over Flexicoat 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 Flexicoat 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 Flexicoat 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 Flexicoat membrane is taken up walls to marry with the 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 Flexicoat will provide an efficient precautionary measure (however, the sandwich construction as described above should always be undertaken if conditions are severe and damp to penetrating). Apply a priming coat at 7.5m² per litre by diluting 1 part Flexicoat with 6 parts clean cold water and allow to dry thoroughly. Two coats of Flexicoat each at 1m² per litre should then be applied. Each coat should be taken up to joint with the existing DPC and the dried film of Flexicoat 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 Flexicoat.

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

As an Adhesive Wood Blocks and Wood Mosaics:

If damp conditions are expected, first treat the floor as described under 'floors'. Ensure that the surface is level and clean. Lightly prime but do not over-wet the surface with clean cold water. Pour some Flexicoat into a shallow tin and dip each wood block separately into the adhesive, coating only the underneath and halfway up the sides. Press the blocks home firmly taking care to exclude air. When fixing wood mosaics panels, spread Flexicoat onto the screed at 0.8m² per litre and immediately place the panels into position. Note: On non-porous floors, allow the film of Flexicoat to become tacky, (30 to 45 minutes before laying the panels). Where underfloor heating has been installed, this should be turned off and the floor allowed to cool prior to laying blocks or mosaics. Allow 48 hours before turning back on again.

Plastering on Difficult Surface:

Flexicoat may be applied to surfaces which 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 Flexicoat (4.5m² per litre each). 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 Tools:

Flexicoat 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.

Storage Life:

Store inside between 5°C and 40°C. Protect from frost. Shelf life is a minimum of 12 months in tightly sealed containers. Containers should be regularly rolled if in storage for lengthy periods.

Container Sizes:

25L

VOC Details:

EU Limit for this product CAT. 2(i) : 140g/l (2010). This product contains max. 0g/l VOC's.

Health & Safety:

Please refer to health & safety data sheet on Flexicoat.

Further Information:

In the event of further queries or problems concerning the use of this product, please contact the address below, or e-mail info@restorationuk.com. All products should be sold in accordance with the manufacturer's instructions. The manufacturer cannot be held responsible where conditions of use are beyond our control. Restoration UK Limited products' are available for sale in accordance with Restoration UK Limited standard conditions of sale, which is available upon request. Whilst any information contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations, agents, or distributors, as the conditions of use and any labour involved are beyond our control. Our warranty is therefore limited to the quality of supplied product.

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