

BituShield R65



Description

BituShield R65 is cold applied, single component, emulsion waterproofer that can be used for waterproofing and protecting concrete structures, foundations, retaining walls and bridge abutments. It can also be used on roofs, walls and floors to prevent water ingress and dampness from the ground.

Key Features

- Water based and therefore is non-toxic.
- Good resistance against dilute acids & alkalis, chloride and sulphate ions.
- Has good adhesion to most building substrates
- Dual advantage of curing as well as protection of concrete.
- Seamless/joint free.

Uses

- Elastic 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, as well as a curing compound on freshly cast concrete structures

Technical Properties & Standards

Colour	Brown, dries black
Bitumen Content	minimum 45- 50 %
Flash point	Non flamable
Density @25°C	1.05 g/cc ASTM D 2939
Elongation, [%]	> 30 ASTM D 412
Adhesion strength	> 0.75 N/mm ² BS 1881
Drying Time	60 min @25°C
Service temp	-5° to 100°C

Application Instructions

Surface Preparation: All surfaces must be free from oil, dirt, dust and loose debris. BituShield R65 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.

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.

BituShield R65 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.

Dried film of **BituShield R65** 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 **BituShield R65**.

BituShield R65 should never be left as the final surface for pedestrian traffic. It should always be covered by a suitable floor covering material.



Cleaning:

Should 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 product has set. Major spillages should be mopped up immediately with an inert, absorbent material, such as sand, and disposed of in accordance with local regulation

Storage & Packing

Store under cover, out of direct sunlight and protect from extreme temperatures. In tropical climates the product must be stored in air-conditioned environment.

Available in 15 kg. & 200 kg packs

Shelf Life

Shelf life is up to 12 months when stored as per recommendations

Health and safety

As with all construction chemicals products caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately

Legal Notes

The information provided in this data sheet, are given in good faith based on our current knowledge and experience of the product when properly stored, and applied by professional applicator, and under normal conditions in accordance with the mentioned recommendations. In practice under actual site condition differences are such that no warranty can be issued nor any liability can be taken, arising out of any legal relationship whatsoever. The product must be tested onsite to check its suitability for the intended application and purpose

PolyBit

HardStep

▶ concept engineered floorings


PolyCem

▶ engineered cements

PolyInCrete

▶ tailored concrete



 **Office** :39 Makram Ebied , Nasr City , Cairo

 **Factory** : Block 7/4 Arab Engineer Industrial Area , Cairo

www.polybit.co