

# BITUSEAL R40

## Cold Applied Rubberized Bitumen Emulsion

### Description

**BITUSEAL R40** is a cold applied bitumen emulsion modified with elastomeric polymer, has dark brown color when dries, it forms tough black seamless and flexible coating. It is a blend of selected bitumen material emulsified with water modified with synthetic rubberized polymer binder to give an easily applied elastomeric waterproofing and protective coating.

### Features & Benefits

- Low cost, Economical.
- Modified with rubberized polymer, higher elasticity
- Water based with excellent surface adhesion.
- Nonflammable.
- Excellent resistant to alkalis, mild acids, chlorine.
- Compatible with all bituminous products.
- Resistant to chlorides and Sulphates.

### Uses

**BITUSEAL R40** can be used for general waterproofing applications.

- Used to provide a waterproofing membrane between screed flooring.
- Waterproofing coat for concrete foundations, bricks, retaining walls, etc.
- It can be used as a waterproofing layer for walls and floors including terrace, balconies, bathrooms, kitchens, roofs, basements, fountains... etc.
- Damp proofing of cement sheets, facades, etc.
- Maintenance of many types of roofs including built up felt, cement sheets, concrete, lightweight screeds, timber, slate, asbestos, bitumen sheets, etc.
- As a vapor/salt barrier for exterior walls to building facades behind granite, marble, stone, cladding, curtain walls, etc.

### Technical Properties

Appearance	Liquid membrane
Color	Dark brown emulsion dries to seamless black
Density	1,000 Kg/m <sup>3</sup> approx.
Solid content	>40%
Rubber Content	≥5%
Water Resistance	Excellent
Flammability	None
Chloride Resistance	Excellent
Service temperature	-5 to +80 °C
Drying time per coat	8 hrs @ 25 °C
Chemical Resistance	Good

All values are subject to 5-10% tolerance

### Standards Compliance:

- ASTM D 2939
- ASTM D 1187
- ASTM D 1227, type III class 1&2
- BS 8102

### Application Procedures

#### Surface preparation:

All surfaces should be sound, stable with an even finish, free from dust, dirt, loose debris, grease, etc. High porous surfaces should be primed with BITUSEAL R40 diluted with 20% water.

#### Mixing Instructions:

**BITUSEAL R40** is supplied ready to use at site. Prior application shake the barrel to remove any sediment. it can be applied with a roller, brush or with a spraying machine. For specified method application, contact SBI Technical Department

#### Application Instructions:

product can be applied with a roller, brush, trowel or spray machine. Two coats of BITUSEAL R40 are

recommended for most of applications, unless more than two coats are specified. The second coat should be applied at right angle to the first one. The rate of application is 3-5 m<sup>2</sup> per liter per coat. Where subsequent coats are to be applied, each coat must be completely dry before the next coat is applied

BITUSEAL R40 may be applied to green concrete immediately after removing the shutter to act as a curing membrane. Backfill only when the coating is totally dry To provide a good key for the top screed, plastering, tiles fixing, or for protection against foot traffic, blind the second coat of BITUSEAL R40 with clean silica (QUARTZ No.1) while the coat is still tacky Clean the tools immediately after use with clean water. During work, it is recommended to place the tools in water while not in use.

## Coverage

BITUSEAL R40 can covers 3-5 m<sup>2</sup> per Ltr.

## Packaging

BITUSEAL R40 is available in 20Ltr Pail & 200Ltr drum.

## Storage

Keep the product in dry and sheltered place at temperature between +5°C to +35°C. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

## Health and Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor.

For further information or particular use, contact SBI Technical Department.

## Quality & Care

All products produced in SBI facilities are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001 & ISO 14001.

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