

# RIW TILESAFE

Tilesafe is a heavy duty self adhesive membrane, consisting of a thick rubber modified bitumen waterproof layer incorporating a woven glass fibre mesh on one face.

The product has a brown silicone release paper on the adhesive side and a clear HDPE release film on the upper surface.

## BENEFITS

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- ┆ Ideal for apartment buildings and hotels, as well as domestic use
- ┆ Quick and easy to apply
- ┆ Will accommodate movement in substrate
- ┆ Factory controlled thickness

## APPLICATIONS

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- ┆ Bathrooms, showers, kitchens and similar wet room areas

## APPLIED TO

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- ┆ Masonry
- ┆ Concrete or screed
- ┆ Plywood, plasterboard, etc.

# RIW TILES SAFE

## TYPICAL USES

Tilesafe Membrane system has been developed to provide waterproofing beneath ceramic tiles in bath/shower rooms and other wet room areas.

## DURABILITY

Subject to normal conditions of use, Tilesafe will provide an effective barrier to the transmission of liquid water and water vapour for the life of the tiles applied onto it.

## SPECIFICATION

M40 - Stone/Concrete/Quarry/Ceramic Tiling/Mosaic, in accordance with NBS Clause 470.

Please consult RIW for further information.

## INDEPENDENT AUTHORITY

Tests carried out by the Building Research Establishment have proven that Tilesafe improves the sound impact insulation value of a wet room floor assembly.

Tests carried out by CERAM have proven that Tilesafe is an effective Anti-Fracture or De-coupling membrane.

See also separate Product Statement.

Copies of the BRE & CERAM reports are available upon request.

## ANCILLARY PRODUCTS

RIW produce a range of ancillary products for use with Tilesafe which include:

**Tilesafe Primer** - an acrylic emulsion primer for coating all surfaces prior to the application of Tilesafe Reinforcing Tape and Tilesafe Membrane.

**Tilesafe Reinforcing Tape** - a tape for reinforcing all wall junctions, butt joints and other detail work in the membrane.

**Tilesafe Jointing Compound** - a high quality, gun applied, butyl rubber based sealant for use at all butt joints in the membrane, pipe entries, wall to wall and wall to floor interfaces.

**Tilesafe Putty** - a non-setting, self supporting mastic for filling small gaps or voids around pipe entries, etc. prior to application of the membrane.

## PERFORMANCE & COMPOSITION

### TILES SAFE MEMBRANE

Thickness	2mm
Adhesion	2N/mm
Water vapour transmission	0.5g/m <sup>2</sup> /24 hours
Roll weight	22kg
Maximum allowable temperature; In service	32°C

### TILES SAFE REINFORCING TAPE

Thickness	1mm
Adhesion	2N/mm
Water vapour transmission	0.7g/m <sup>2</sup> /24 hours
Laps	50mm

### TILES SAFE PRIMER

Colour	White
Specific Gravity	1 - 1.2g/ml
Solids content	20% w/w
Coverage	10m <sup>2</sup> /litre
Drying time	2-4 hours

### TILES SAFE JOINTING COMPOUND

Colour	Grey
Flash Point	47°C
Temperature range:	
In service	-20°C to +100°C
Application	0°C to +35°C

### TILES SAFE PUTTY

Colour	Pale yellow
Specific gravity	173g/ml
Temperature range:	
In service	-15°C to +60°C
Application	0°C to +35°C

The above performance figures are typical values and should not be considered a product specification.

## CONSTRUCTION

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### GENERAL

All construction should conform with the Building Regulations, Codes of Practice and British Standards in current use at the time the building is being constructed.

### PREPARATION

**All surfaces:** Should be clean, dry, free from dust, grease, oil, etc. Surfaces must be smooth, sound and flat, therefore all indentations should be filled with a suitable filler, and any protrusions struck off.

**Contaminated or dusty surfaces:** Should be cleaned as necessary, an anti fungicide wash can be used to remove and destroy any biological growth. In cases where the substrate is masonry, suitable high pressure water jetting may also be used. Ensure the substrate is fully dry prior to application of the Tilesafe Primer.

**Oily or greasy surfaces:** Should be cleaned with a suitable proprietary cleaner, which is thoroughly rinsed off, and the surface allowed to dry.

**Existing coatings:** Should be removed unless they are compatible with the primer and membrane.

### APPLICATION

Prime all surfaces with Tilesafe Primer and allow to dry.

Apply Tilesafe Reinforcing Tape at all wall to wall, and wall to floor junctions. Reinforcing Tape is also to be applied under all butt joints in the main membrane. Use Tilesafe Putty to seal any small voids around pipe entries, etc.

Apply Tilesafe membrane to walls and floor removing release paper as work progresses. Joints in the membrane are butted together over the previously applied Reinforcing Tape. A gap of 1-3mm is left between the joints for later application of Tilesafe Jointing Compound.

With a normal sealant gun, apply Tilesafe Jointing Compound into all butt joints.

Remove the top release film from the membrane, and tile in the conventional manner.

**Maximum weight of tile, bedding and grout for vertical applications should not exceed 20kg/m<sup>2</sup>.  
Silicone sealants must not be allowed to come into direct contact with Tilesafe Membrane or Reinforcing Tape.**

Full installation instructions are available from the Technical Department on request.

## SAFETY

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Tilesafe Jointing Compound is flammable and should be used in well-ventilated areas away from sources of ignition. The product can effect sensitive skins. Gloves or barrier cream should always be used by operatives and hands thoroughly washed at the end of each working period. Do not allow the product to enter watercourses. Full health and safety instructions are contained on the product material safety data sheets, and these must be referred to before use.

## SUPPLY

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### AVAILABILITY

All RIW products can be obtained through Builders Merchants or approved stockists. A list of approved stockists is available from RIW offices.

### PACKAGING

Tilesafe Membrane:	1000mm x 5 & 10m long rolls
Tilesafe Reinforcing Tape:	150mm x 7.5 & 15m long rolls
Tilesafe Primer:	500ml & 1 litre containers
Tilesafe Jointing Compound:	310ml tubes
Tilesafe Putty:	0.5 & 1kg sticks

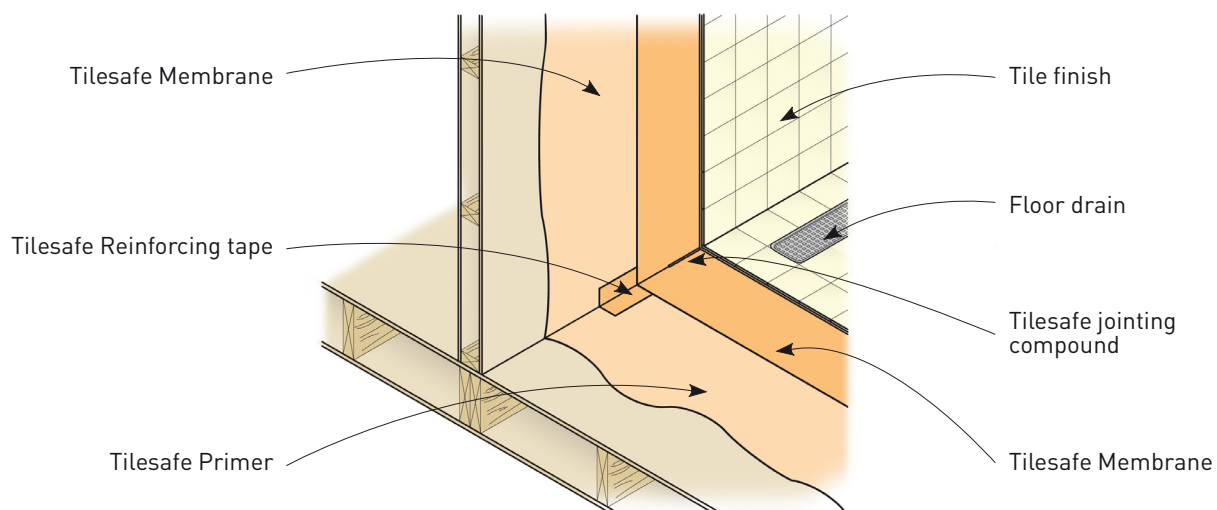
### STORAGE

Tilesafe Membrane, and its ancillary products, should be stored in original cartons. The products should be kept upright, protected from frost, and out of direct sunlight ie. below 35°C. Cartons should not be over-stacked. The shelf life of Tilesafe Jointing Compound is 12 months. Care should be taken to ensure the temperature is at least 10°C. Conditioning of the membrane in a warm area, prior to use, will enhance its adhesion properties during application.

## TECHNICAL SERVICES

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The Technical Department is available to advise on individual projects and to prepare and assist in the preparation of specifications and drawings. A list of experienced applicators of RIW materials is available from RIW's offices.



**Typical Detail**

The information in this literature was correct at the time of going to press. However, we are committed to continually improving our products and reserve the right to change product specifications.

For the latest information, please consult RIW. Conditions of use are beyond our control, therefore we cannot warrant the results to be obtained.

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