

# METZ 18A

## RUBBERISED BITUMINOUS MEMBRANE



### DESCRIPTION:

METZ 18A is a rubberised bituminous liquid which air dries in thin layers to form a flexible waterproof coating. METZ 18A is used with fabric reinforcing as an underlay beneath tiles or bricks to provide a bonded, flexible separation layer.

### FEATURES AND BENEFITS:

- **Chemical Resistant**  
Resistant to dilute acids and alkalis, salts and oils. Refer to METZ Chemical Resistance Chart.
- **High Bond Strength**  
Provides an excellent bond between substrate and a wide range of bedding mortars.
- **Flexible**  
Accommodates differential movement between substrate and tile system.
- **Cost Effective**  
Fast and easy application.
- **Waterproof**  
Prevents ingress of deleterious liquids.

### RECOMMENDED:

METZ 18A is designed as a reinforced multi-coat waterproof underlay for ceramic floor lining systems. Used as a bonded separation layer to minimise stresses in tile floor systems between concrete substrate and tile/mortar bed.

- Food and Beverage Industry
- Hospital and Commercial Kitchens
- Chemical Plants
- Suspended Floors

### NOT RECOMMENDED:

- When not used in conjunction with a tiling or topping system.
- METZ 18A is not recommended as a tanking membrane or as a wet area membrane as specified in Australian Standard AS/NZS 4858 - refer Metz for alternative materials.
- When membrane temperature will exceed 50°C - refer Metz for alternatives.

### PHYSICAL PROPERTIES: (Typical Values)

Water absorption	nil
Adhesion to concrete:	exceeds internal strength of concrete or membrane
Final membrane thickness:	2mm
Maximum service temperature:	50°C

### COVERAGE: Theoretical quantity (allow for wastage)

For priming plus 2 full coats - 2 litres/square metre.

Final thickness approximately 2mm when used in conjunction with fabric reinforcement.

For additional coats allow 1litre/sq metre.

### APPLICATION TEMPERATURE:

The recommended temperature range for application of METZ 18A is 10°C to 35°C.

At temperatures below 10°C, curing may be inhibited and final technical properties may be affected.

At temperatures above 35°C, consistency and drying rate may be affected.

If necessary, consult METZ.



Acid Proofing & Industrial Flooring • Specialty Ceramic Tiles



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### INSTRUCTIONS FOR USE

#### 1. Temperature of Working Area

Maintain a temperature of between 10°C and 35°C on METZ 18A, substrate and air during application and cure. At temperatures below 10°C, drying will be inhibited. At temperatures about 35°C, drying will be too rapid. If necessary, consult METZ.

#### 2. Surface Preparation

All surfaces must be clean, sound, dust-free and reasonably dry.

The surface must be free from all protuberances. Any holes shall be filled with METZ 25 cement, or approved repair material prior to application of membrane.

**New concrete** must have a fine wood-floated finish, and be free from curing agents, form-release agents, etc.

**Old concrete** must be clean and sound.

Contaminated and/or weakened areas must be cut out and patched with a suitable repair material such as METZ 25, or replaced with new concrete.

Rough areas must be re-surfaced to a fine sand finish. Brick/block work must be rendered to wood float finish.

#### Priming

The dry floor is to be given one coat of METZ 18A Primer which is made up of:

- 1 volume METZ 18A Liquid
- 6 volumes clean water

**Note:** If the concrete is damp due either to its being green or to the cleaning procedure adopted, the Primer coat may be eliminated.

#### 3. Installation

Remix all drums thoroughly immediately prior to use. METZ 18A is applied with a soft broom:

- a) After Primer has dried, apply one full coat METZ 18A Liquid.
- b) Apply one layer of fabric reinforcement over the freshly-laid METZ 18A Liquid and embed it using a soft bristled brush. Successive strips of fabric should be overlapped approximately 50mm.

- c) After first coat has dried, apply one full coat METZ 18A Liquid over fabric. At completion of this coat the fabric should be completely covered.

- d) If necessary, apply further coats to ensure complete coverage.

#### Notes

- (i) The membrane should be turned up adjacent vertical surfaces, e.g. walls, columns, to a height just below the ceramic lining employed. In pits the membrane should be as high as the brickwork or tiling on the walls. Consideration should be given to keying a sealant over skirting to prevent ingress of chemicals.

- (ii) The membrane may tend to pick up on the shoes of tilers. This can be largely eliminated by lightly dusting the membrane surface with the powder component of the bedding cement (eg. if sand and cement is being used, dust with Portland cement).

#### 4. Clean Up

Brushes and brooms may be cleaned with kerosene.

#### 5. Storage

Protect Metz 18A Liquid from temperatures below 5°C for a minimum shelf life of 6 months.

#### 6. Safety Precautions

Use Chemical goggles, PVC gloves and barrier cream. For full safety precautions refer to the Material Safety Data Sheet.

1. The customer must comply strictly with the instructions contained in this product data sheet. Metz is not responsible for any advice or variations to this data sheet which are not confirmed in writing.
2. If the customer has a claim against Metz in respect of any product supplied to the customer by Metz whether due to a fault in the product or the negligence or breach of contract by Metz or for any other reason:
  - a) Metz shall not be liable for any loss of damage including consequential loss or damage or loss of profits arising thereby;
  - b) Metz may at its option replace the defective product free of charge to the customer or refund all payments made to it by the buyer in respect of the defective product; and the maximum liability of Metz shall be the cost of replacing the defective product.

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