

# SCREEDMATE®

LATEX BONDING AGENT FOR SAND/CEMENT SCREEDS

**SCREEDMATE®** is a bonding agent based on synthetic latex and other chemical additives. It is an admixture used in mortars and screeds to achieve high strength, chemical resistance and improve adhesion and waterproofing properties. It may be safely used under humid conditions or in areas subject to continuous and/or alternative wetting and drying.

## FEATURES & BENEFITS

- Increases compressive, flexural and tensile strength of mortar and screeds.
- Reduces shrinkage in cementitious systems.
- Adheres well to concrete and other common building materials.
- Resistant to mild chemicals and mineral oils.
- Highly resistant to water penetration.

## USES

**SCREEDMATE®** is used in preparation of:

- Abrasion resistant, dustproof and mild chemical resistant screeds and floor toppings.
- Water and weatherproof rendering.

## PACK SIZE

**SCREEDMATE®** is available in 5 and 20 litre plastic jerry cans.

## TYPICAL PRODUCT CHARACTERISTICS

The following results are based on a mix prepared with 50 kg cement, 150kg sharp fine washed sand and 10 litres of **SCREEDMATE®**

Technical Information	
Compressive Strength at 28 Days	36 N/mm <sup>2</sup>
Tensile Strength at 28 Days	5.5 N/mm <sup>2</sup>
Flexural Strength at 28 Days	122 N/mm <sup>2</sup>
Appearance	Milky White Liquid
pH	7.0-8.0
Specific Gravity	1.02 +/- 0.01
VOC	< 10 g / Lit



## PRODUCT DATA SHEET: PRIMERS: SCREEDMATE®

### APPLICATION SURFACE PREPARATION

Surfaces to which **SCREEDMATE®** mixes are to be applied should be clean, sound and free of deleterious substances. Remove all laitance, oil, grease, mould, oil or curing compound from concrete surfaces using wire brush, brush hammer etc. Ensure that any sand is clean and free from dirt or other contaminants, make sure that any Portland cement is within its shelf life and hasn't been previously exposed to whether conditions.

### MIXING

Should preferably be carried out in an efficient concrete mixer; where available a pan type mixer is recommended. Hand batching is only recommended when the total weight of the mix is less than 25 kg. Charge the mixer with the required quantity of sand and cement and premix for 1 minute. Pour in the desired quantity of **SCREEDMATE®** and mix for 2 minutes, to avoid excessive air entertainment. Finally, without delay, add some water slowly until the required consistency is achieved. Owing to the strong plasticizing properties of **SCREEDMATE®** rapid thinning can occur. Avoid adding excessive water.

### GUIDE TO APPLICATION:

#### BONDING SLURRY:

Prepare bonding slurry of 5 parts cement to 1 part **SCREEDMATE®**. Water may be added to achieve a lump-free creamy consistency. Using a stiff brush, work the bonding slurry well into the damp surface ensuring that no pinholes are visible. Do not apply bonding slurry at a thickness in excess of 2 mm. If a second coat is necessary, it must be applied after the first coat is "touch dry". The second coat must be applied at right angles to the first to ensure complete coverage (10 litre of **SCREEDMATE®** with 50 kg. of Portland Cement will give a creamy slurry which will cover 20 - 30m<sup>2</sup> of substrate dependent on surface texture and thickness applied). Apply the bonding slurry to the prepared surface and then screed immediately with **SCREEDMATE®** modified screed. It is preferable to apply **SCREEDMATE®** slurry's in coats to a maximum thickness of 6mm per coat as greater thicknesses can lead to slumping.

#### ADMIXTURE IN SCREED:

**SCREEDMATE®** may be added in the sand/ cement screed over concrete. Minimum 10 litres of **SCREEDMATE®** should be used with 50 kg. of cement to prepare slurry for screed coat.

#### SCREEDS AND TOPPING, APPLIED TO HORIZONTAL SURFACES:

Screeds etc., based on **SCREEDMATE®** modified cements can be laid to any thickness from 60 mm down to 6 mm minimum. After mixing the **SCREEDMATE®**, modified mix should be placed over the still wet bonding slurry, well-compacted and struck off to level. It may then be trowelled to the required finish with falls using a wooden float or steel trowel.

**NOTE:** Whenever screeds are being laid over existing concrete surfaces it is important that expansion joints in the sub-floor are carried through the **SCREEDMATE®** modified mix. This can be done by fitting a temporary timber batten wrapped in polythene or scoring a groove directly above the existing joint using a grooving tool.

### STORAGE/SHELF LIFE

Keep away from direct sunlight and store under normal warehouse conditions. The shelf life of the product is 12 months from the date of manufacturing provided it is stored in unopened factory packed drums.

### HEALTH & SAFETY

Avoid contact with skin and eyes. In case of accidental contact with eyes, wash with plenty of water and seek medical treatment. Wear rubber gloves, safety shoes and safety goggles.

#### Field Support

Field support where provided, does not constitute supervisory responsibility. Suggestions made by **ATECH®** either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they and not **ATECH®** are responsible for carrying out procedures appropriate to a specific application.

#### Customer Responsibility

The technical information and application advice given in this publication is based on the best information available at time of print. As the information herein is of a general nature, no assumption can be made as to the products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.

#### Safety Precautions

These products may cause allergic reactions through skin contact, goggles, protective gloves and overalls must be worn. Ensure that there is adequate ventilation and avoid breathing the vapour.

#### Exclusion Clause

- The information contained in this data sheet is based on many years experience and is correct to the best of our knowledge. **ATECH®** will be under no liability whatsoever whether in:
  - Contract or tort (including, without limitation, negligence)
  - Breach of statute
  - Any other legal or equitable obligation other than the quality of the product at the time of despatch.
- Any queries about specification use or application should be directed to our technical service department immediately.
- This exclusion clause does not operate to exclude any warranty that by law may not be excluded.

