

# MONOLEVEL 844SP



## USES

Engineering quality waterproof screed and pore filler.

## THICKNESS

0mm up to a maximum of 6mm.

## TECHNIQUES

Hand, float, trowel, and spray (consult spray equipment application guide).

## PREPARATION



1. Cut back to sound concrete.
2. Roughen smooth surfaces.
3. Remove all loose material, dust, surface laitance, mould release agent and any other form of contamination.
4. Arrest any water infiltration using **FASTFILL WP**.
5. Clean exposed steel back to bright metal and apply **STEEL REINFORCEMENT PROTECTOR 841**.
6. Fill larger voids with a Flexcrete mortar.
7. Thoroughly soak the substrate with clean water until fully saturated. Remove excess water.
8. No primer required except when treating highly porous concrete.

## MIXING



2-3 mins

1. Pour 2.8 to 3.2 litres of clean water into mixing vessel and add a bag of powder. Always add powder to water.
2. Typically use 3.0 litres per bag for fairing coat applications.
3. Part bags can be mixed using a ratio of 6.5 volumes of powder to 1 volume of water.
4. Mix using slow speed drill and EPI paddle with a maximum speed of 750rpm, or in a forced action mixer. Mix for 2-3 minutes to an even consistency.

## APPLICATION

1. **Localised minor voids and surface defects:**
  - Apply with palette knife or trowel ensuring an initial layer makes good contact with the prepared substrate before building up to a maximum of 6mm.
2. **Pore filling:**
  - Apply using a bag rubbing technique using a sponge or rag on small areas. On larger areas use a sponge or wooden float.
  - Remove excess material once pores are filled.
3. **Thin screed:**
  - Work an initial thin layer into the surface using a steel float to fill blow holes and minor defects. Build up to a maximum of 6mm.
  - On larger areas spray techniques can be used.
  - For multi layer application finish the first layers using a wood or plastic float. Allow to stabilise but do not leave to fully cure before applying a subsequent layer.
  - A smooth polymer rich finish can be achieved with a steel float.
  - A wooden float or damp sponge can be used to produce a surface like emery paper, which is ideal for the subsequent application of a coating.
  - Immediately spray apply **CURING MEMBRANE WB** to aid curing.



## WORKING LIFE

Approx. 30 minutes at 20°C.

## YIELD

15.0 litres per 25kg bag at 3.2 litres water addition.

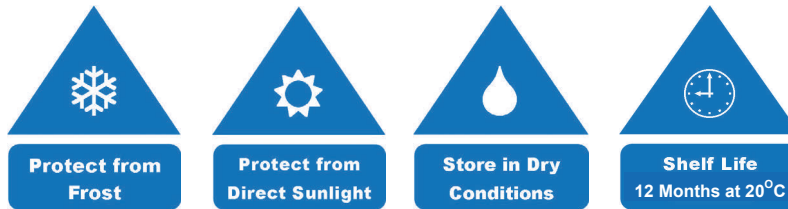
## COVERAGE (Typical)

Thickness	Coverage per 25kg Bag (m <sup>2</sup> )
1 mm	15.0
3 mm	5.0
6 mm	2.5

## CLEANING

Clean tools with water immediately after use.

## STORAGE AND SHELF LIFE



## HEALTH AND SAFETY

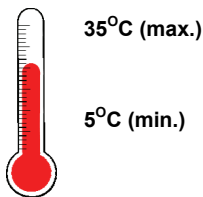
- R36/37/38: Irritating to eyes, respiratory system and skin.
- R41: Risk of serious damage to eyes.
- See Material Safety Data Sheet (MSDS) for full information.

## PPE



## TOP TIPS

1. During early mixing, the material appears dry. **DO NOT** add extra water at this stage as full mixing produces a smooth consistency.
2. **DO NOT WET OUT OR PRIME** between layers.
3. If mortar thickens, remix but **DO NOT ADD EXTRA WATER**.
4. **DO NOT OVER TROWEL** when applied as a thin screed otherwise blisters could form in the material, which must be removed.
5. Remove trowel marks using a wooden float or damp sponge once the surface has stabilised.
6. Can be overcoated with Flexcrete membranes to give a coloured, aesthetic finish.
7. Cold Weather Working (see separate Guide)
  - ≥3°C on a rising thermometer.
  - ≥5°C on a falling thermometer.
8. Hot Weather Working (see separate Guide)
  - Store material in cool conditions to maximise working life.
  - Shade applied material from strong sunlight.
  - Spray apply a second coat of **CURING MEMBRANE WB**.
  - If possible, avoid extreme temperatures by working at night.



## APPLICATION RANGE



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FM 41091  
EMS 597350  
OHS 597351

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