



# Flexi-Stop

## Preparation, Application and Use guide

### Preparation

#### New Concrete

New concrete must be left to reach an acceptable hardness before any preparation is attempted. Surface laitance should be removed by light vacuum shot blasting, scarifying or surface grinding. The use of acid etch solutions is not recommended.

#### Old Concrete

On lightly stained concrete the removal of the surface layer would be sufficient preparation. Areas of heavy staining should be treated by one or more of the following methods, vacuum shot blasting, scabbling or hot compressed air burning. Consultation with a trained specialist is strongly recommended to establish the most apt method. With all the above techniques, pre cleaning of heavy deposits of oil or grease with a suitable multipurpose degreaser then rinsing with clean town water will reduce the transmission of contaminants to other areas during final preparation.

Expansion joints should either be raked out or protected during the preparation and application processes.

#### Conditions

Prior to the application of Flexi-Stop, the surface must be clean, dry and sound. The air and surface temperature must be above the minimum required both during application and the curing process.

#### Mixing

Flexi-Stop is supplied in pre weighed units this ensures the correct ratio of base to activator and aggregate is achieved, the splitting of packs is not recommended. Only mix as much material that can be applied during the stated working life. Diluents or solvents must not be added to Flexi-Stop in any circumstance. To ensure correct mixing, a helical paddle attached to a slow speed drill or mixer is recommended.

Pour the Part B component into the Part A container, removing as much Part B component as is practically possible. Once all the Part B component has been transferred to the Part A container, mix at a controlled speed until homogeneous then add the pre weighed aggregate in batches. Moving

the paddle gently across and round the mixing vessel will stop dead spots occurring. Excessive speed or movement of the mixing paddle will result in air entrainment. After mixing, to maximise the working life of the product, transfer directly to the area to be treated, this will help dissipate any heat build up in the bulk material.

#### Application

Apply by pouring the mixed Flexi-Stop directly onto the surface to be treated, spread using a trowel or spatula to give the required film thickness (minimum of 2 millimetres). Working in regular blocks will help to maintain an even finish whilst reducing the possibility of low film thickness. For a soft feel finish once a suitable area has been treated and whilst the Flexi-Stop is still wet either spray or broadcast a blinding layer of graded rubber aggregate onto the surface. On very uneven surfaces the coverage rate can be significantly reduced.

#### Other Uses

Flexi-Stop can also be used as a flexible repair mortar, expansion joint filler or impact resistant surface.

#### Repair Mortar

Add all aggregate including the broadcast pack to produce a stiff paste.

#### Expansion Joint Filler

Apply directly into the prepared joint, will consolidate weak areas.

#### Impact pads

Add all aggregate including the broadcast pack to produce a stiff paste and apply by trowel to give a minimum thickness of 5 millimetres.

#### Storage Conditions

Unless stated on the product technical data sheet all Merlin products have a shelf life of up to 2 years when stored in unopened containers with normal warehouse conditions.

Minimum storage temperature 5° Celsius

Do not expose to direct heat or sunlight

Keep away from sources of ignition

Keep dry

Do not allow to freeze