



Specialist Construction Supplies for Repair, Maintenance, Building & Infrastructure

## Sika Fastfix M60 Data Sheet

### Specification notes

Product: **Sika Fastfix M60**

Supplier:

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# Sika® FastFix-M60

## Rapid Strength Cementitious Bedding Mortar

### Technical Data Sheet

#### DESCRIPTION

**Sika FastFix-M60** is a rapid set, one component cementitious bedding mortar for the fast installation of street ironwork.

Complies with Department of Transport Design Manual for Roads and Bridges HD 27/94 Vol 7 Section 2.

#### USES

**Sika FastFix-M60** is suitable for bedding:

- \* Highway manhole cover frames.
- \* Highway/residential gulley frames.
- \* All types of highway/residential underground clay drainage components.
- \* Precast concrete highway/residential chamber sections.

#### ADVANTAGES

- \* Only requires mixing with water
- \* Rapid strength gain.
- \* Fast and easy to apply.
- \* Factory proportioned.
- \* High early strength.
- \* Excellent adhesion.
- \* Free of chloride compounds.
- \* Low shrinkage.
- \* Non-corrosive to steel.
- \* No priming required.
- \* Dry and bedding mortar consistency.

#### Technical Data (typical)

|   |  |
|---|--|
| <b>Mixed colour:</b>                    | Grey   |
| <b>Mixed wet density:</b>               | 2.2 kg/litre   |
| <b>Application temperature:</b>         | +3°C min and rising, +35°C max (Substrate and ambient) |
| <b>Application thickness per layer:</b> | 5.0 mm minimum<br>75.0 mm maximum                      |
| <b>Mix ratio:</b>                       |  |
| Dry mortar                              | 2.5 litres of water per 25 kg bag                      |
| Bedding mortar                          | 3.0 litres of water per 25 kg bag                      |

#### MECHANICAL PROPERTIES (Bedding mortar @ 20°C)

|   |                  |
|---|------------------|
| <b>Shrinkage:</b>   | 0.025% @ 21 days |
| <b>Compressive strength development (N/mm<sup>2</sup>):</b> |                  |
| 1 hr  | 10.0             |
| 2 hr  | 20.0             |
| 24 hrs  | 45.0             |
| 7 days  | 55.0             |
| 28 days   | >70.0            |

**Workability (mins):** 5

**Setting time (mins):**

|         |    |
|---------|----|
| Initial | 10 |
| Final   | 15 |

All above values are approximate.

## SUBSTRATE PREPARATION

The concrete or masonry substrate must be clean, sound and free of all loose friable material and surface contaminants such as dirt, dust, bitumen, oils, grease, paint etc. Pre-dampen substrate. Remove standing water.

## MIXING

**Sika FastFix-M60** should be mechanically mixed for a minimum of 3 minutes to a uniform consistency.

## APPLICATION

Apply mixed mortar by float or trowel.

## IMPORTANT CONSIDERATIONS

- ✱ To retard setting times in hot weather use cold water (>5°C).
- ✱ To accelerate setting times in cold weather use warm water (<30°C).
- ✱ Do not add water over recommended dosage.
- ✱ Apply only to prepared, sound substrates.
- ✱ Protect freshly applied material from freezing.

## CLEANING

Remove **Sika FastFix-M60** from tools and equipment with water. Hardened material can only be removed mechanically.

## PACKAGING

25 kg bags.

## CONSUMPTION

2.2 kg/m<sup>2</sup>/mm (2.2 kg/litre)

Excluding allowances for loss wastage, surface profile and porosity.

## STORAGE AND SHELF LIFE

Minimum 6 months in unopened original sealed containers stored in dry warehouse conditions (+5°C - +25°C).



### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

**Please consult our Technical Sales Department for further information**

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