

# SIKA MONOTOP<sup>®</sup> 612 F



Ready-for-mixing, fibre-containing  
short setting time repair mortar

*In compliance with NF standard P 18.840 as class 2 repair product*

## Description

SIKA MONOTOP 612 F is a single-component mortar based on cement, special fillers, fibres and admixtures

A grey repair mortar is obtained after mixing with water.

## General characteristics

SIKA MONOTOP 612 F is applied in a single pass in a layer 3 to 60 mm thick.

Fully adheres on most substrates (concrete, mortar, stone, brick).

Contains fibres that improve the mortar cohesion and reduce the risks of cracking due to shrinkage.

Short setting time even at low temperature.

Provides a "ready for painting" aspect after 24 hours at 20C°.

## Applications

Repair of concrete over great lengths (nosing of balconies, fascias, beams, ...)

## Ph and Ch (mechanical) characteristics

Aspect: grey powder

Powder density: 1,3 (untapped)

Fresh mortar density: about 2,1

Particle size range: 0 to 1,6 mm

Adhesion on concrete (NF P 18.858): > 2 MPa on rough surfaces

Mechanical strengths (EN 196.1) average values expressed in MPa:

Tests		Age			
		1 day	2 days	7 days	28 days
20°C	Compression	15	23	30	40
	Bending	4	6	7	8
5°C	Compression	5	11	30	40
	Bending	1,7	5	7,5	8
30°C	Compression	20	25	30	40
	Bending	5	6	6,5	7

- Setting time in compliance with NF standard P 18.356:

	At 5°C	At 20°C	At 30°C
Setting start	2 h 00	1 h 00	0 h 30
Setting end	3 h 00	2 h 00	1 h 30

## Packaging

25-kg bag.

## Storage and shelf-life

SIKA MONOTOP 612 F stored in an unopened packaging and in a dry place has a 6-month shelf-life.

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## Consumption

It depends on the substrate roughness and on the thickness of the layer applied.  
A one-litre capacity to be filled needs the use of 2 kg of mortar (about 1,8 kg of SIKA MONOTOP 612 F + 0,3 litre of water).

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## Instructions

### Conditions for use

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From + 5°C to + 30°C.

### Implements

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Traditional trowel and plastering trowel.

### Substrate preparation

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The substrate must be sound, cohesive and free of any loose particles; they must be free of traces of oil, grease, ...

The steels must be brushed and freed from rust particles and then protected with SIKA MONOTOP 610 AC corrosion inhibitor (technical data sheet No. 6.03).

The substrate must be wetted before SIKA MONOTOP 612 F is applied but there must be no water dripping on the substrate.

### Mixture preparation

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SIKA MONOTOP 612 F is mixed with water to the required consistency. As an indication, the quantity of mixing water is about 0,75 litre/5 kg of powder.

### Pot life for 5 kg of powder and 0,75 litre of water

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at 5°C	at 20°C	at 30°C
30 to 40 minutes	20 to 25 minutes	8 to 10 minutes

Prepare only the quantity of product that can be used within the pot life time.

### Application

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SIKA MONOTOP 612 F is applied in a layer 3 to 60 mm thick/pass using a traditional trowel or a plastering trowel.

The surface can be smoothed using the plastic trowel, a sponge or polystyrene as soon as the mortar starts drawing.

### Protection

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SIKA MONOTOP 612 F must be protected against freezing, wind and sun during setting and hardening like any hydraulic mortar.

### Cleaning

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With water immediately after utilisation.

## Important considerations

Same handling as for a cement mortar.

Avoid any contact with the skin and the eyes. Do not inhale the dust.

Consult data sheet on Minitel 3613, code SIKASECUR or on Internet <http://www.sika.fr> (free service).

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*Product for strictly professional use only.  
«The product described in this data sheet is covered under the manufacturer's product liability policy».*



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