

Product Data Sheet
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Identification no:
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Sika® MiniPack - Quick Fixing Mortar

(Template for local translation, only for internal use)

Sika® MiniPack - Quick Fixing Mortar

Quick setting general purpose fixing mortar

Product Description	Sika® MiniPack Quick Fixing Mortar is a one component, ready to use, quick setting repair mortar.
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Uses	Sika® MiniPack Quick Fixing Mortar is specially developed for all general applications where quick-setting is required:
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- Fixing of metal supports
- Fixing of anchors, expansion bolts, brackets, pipes etc.
- Installation of doors and window frames
- Anchoring of posts, grates, rails etc.

Characteristics / Advantages	<ul style="list-style-type: none">■ Sets in a few minutes■ Practical packaging, also suitable for small applications■ Fast setting even in damp conditions■ Can be over-painted after hardening■ Good adhesions on metals, concrete, stone and brick
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Product Data

Form

Appearance / Colour	Grey powder
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Packaging	25 kg cartons box (5 x 5 kg plastic bag)
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Storage

Storage Conditions/ Shelf-Life	9 months from date of production if stored properly in undamaged and unopened original, sealed packaging in dry and cool conditions.
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Technical Data

Chemical Base	Portland cement, selected aggregates and additives.
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Density	Fresh mortar density: ~ 2.1 kg/l (at +20°C)
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Setting Time	At +20°C, with a water to powder ratio of 18% (According to EN 480-2)
	Initial: ~ 3' 40"
	Final: ~ 4' 30"

Grading	D _{max} : 0.5 mm (According to EN 12192-1)
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Layer Thickness	5 mm min. / 20 mm max.
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Mechanical / Physical Properties

Compressive Strength	1 hour: > 2.5 N/mm ² 2 hours: > 3.0 N/mm ² 4 hours: > 7.0 N/mm ² 28 days: > 35 N/mm ²	(According to EN 196-1)
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System Information

Application Details

Consumption	Dependent on the substrate roughness, surface profile and thickness of the layer applied. As a guide, ~ 18 kg of powder per cm thick per m ² . 1 mixed plastic bag yields ~ 2.7 l of mortar
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Substrate Quality	<i>Concrete:</i> The substrate must be structurally sound and free of all dirt, loose and friable particles, cement laitance, oils and grease or other contaminant etc.. The concrete "Pull off" (tensile adhesive) strength should be > 1.0 N/mm ² <i>Steel:</i> Steel surfaces must be clean from rust, oil, grease and other loosely adhering particles to provide a rust free surface.
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Substrate Preparation / Priming	<i>Concrete:</i> The substrate should be prepared by suitable mechanical techniques such as high pressure water jetting, needle-guns, blastcleaning, hammers etc. and properly pre-wetted to a saturated surface dry condition. <i>Steel:</i> Surfaces should be prepared using approved abrasive blast cleaning techniques.
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Application Conditions / Limitations

Substrate Temperature +5°C min. / +35°C max.

Ambient Temperature +5°C min. / +35°C max.

Application Instructions

Mixing ~ 0.85 to 0.95 l of water for 5 kg powder

Mixing Time Sika® MiniPack Quick Fixing Mortar should be mixed by hand in small quantities - mix only the quantity of material that can be placed within its potlife.
Pour the water in the correct proportion into a suitable mixing container. While stirring slowly, quickly add the powder to the water. Mix thoroughly for at least 30 seconds to the required consistency.

Application Method / Tools Sika® MiniPack Quick Fixing Mortar should be applied by trowel or by gloved hand. Push down the material for complete filling and securing. Take care to carefully compact the mortar specifically in the area adjacent to the metal items to be fixed.
When filling larger volumes, the material should be bulked out with dry, clean aggregate (3 to 8 mm) - 0.25 to 0.50 part by weight of aggregate for 1 part of Quick Fixing Mortar.
The setting time is slightly extended by the addition of the aggregate.

Cleaning of Tools Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be removed mechanically.

Potlife ~ 1 to 3 minutes (at +20°C)
~ 1 to 15 minutes (at 20°C) when bulked out with aggregate

Notes on Application / Limitations	<p>Avoid application in direct sun and/or strong wind and/or rain.</p> <p>Do not add water above the recommended dosage.</p> <p>Apply only to sound, prepared substrates.</p> <p>Do not add additional water during the surface finishing as this will cause discoloration and cracking.</p> <p>Protect freshly applied material from freezing conditions etc.</p> <p>Product is not suitable for water stopping applications.</p>
Curing Details	
Curing Treatment	Protect the fresh mortar from early dehydration using the appropriate curing methods.
Value Base	All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.
Local Restrictions	Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.
Health and Safety Information	For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.
Legal Notes	<p>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 accordance with Sika's recommendations. 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 user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.</p> <p>It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.</p>



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