

**Product Data Sheet**  
Edition 04/08/2014  
Identification no: 011402021000000006  
Code: 09.02.020  
Sika® Rapid+

# Sika® Rapid<sup>+</sup>

## Quick setting ready to use mortar

<b>Product Description</b>	Sika® Rapid <sup>+</sup> is a fast setting, ready to use mortar, based on a mixture of binders and selected aggregates, characterized by the development of rapidly high mechanical strength.
<b>Uses</b>	Sika® Rapid <sup>+</sup> is a ready to used mortar, intended for use in all cases where rapid setting is required, such as: <ul style="list-style-type: none"><li>■ Fixing of brackets, plugs, pipes</li><li>■ Installation of armoured doors and windows</li><li>■ Anchoring of stakes, trellises, fences</li></ul>
<b>Characteristics / Advantages</b>	<ul style="list-style-type: none"><li>■ Setting after a few minutes</li><li>■ Practical packaging, also suitable for small applications</li><li>■ Fast setting even in damp conditions</li><li>■ Can be over-painted after hardening</li><li>■ Strong adhesions to metals</li></ul>

### Product Data

#### Form

<b>Appearance / Colour</b>	Grey powder
<b>Packaging</b>	5 kg pre-batched bags in 5 units box 25 kg pre-batched bags

#### Storage

<b>Storage Conditions/ Shelf-Life</b>	8 months from date of production if stored properly in undamaged and unopened original, sealed packaging in dry and cool conditions.
---------------------------------------	--

### Technical Data

<b>Mixing water</b>	19-21% of product weight (0.95-1.05 Lt per 5 kg bag & 4.75-5.25 L per 25 kg bag)
---------------------	--

### Mechanical / Physical Properties

<b>Compressive Strength after 3 hrs</b>	6 MPa (EN 196-1)
<b>Compressive Strength after 28 days</b>	24 MPa (EN 196-1)
<b>Open time*</b>	1-2 min approx.
<b>Setting time*</b>	2-3 min approx.



Construction

<b>Full service waiting time*</b>	Approx. 2 hrs
	<i>* Times refer to +23°C/ 50% R.H. Times are shorter at higher temperatures and longer at lower temperatures.</i>

## System Information

### Application Details

<b>Consumption</b>	Dependent on the substrate roughness, surface profile and thickness of the layer applied. As a guide, ~ 1,8 kg of powder per lt of filling volume
<b>Substrate Quality</b>	The substrate must be structurally sound and free of all dirt, loose and friable particles, cement laitance, oils and grease or other contaminants.
<b>Substrate Preparation / Priming</b>	The substrate must be cleaned and slightly roughened by mechanical means. The surface must be dampened up to saturation, avoiding standing water.

### Application Conditions / Limitations

<b>Substrate Temperature</b>	+5°C min. / +30°C max.
<b>Ambient Temperature</b>	+5°C min. / +30°C max.

### Application Instructions

<b>Application Method / Tools</b>	Sika® Rapid+ must be fastly pushed into the cavity to fill, exerting a good pressure, in order to ensure a good adhesion. Keep in place the object that must be fixed, until the mortar starts to set and is able to bear its own weight.
<b>Tool maintenance</b>	Removal of fresh remnants from tools and application equipment can be carried out using water immediately after use. Hardened / cured material can only be mechanically removed.
<b>Notes on Application / Limitations</b>	<ul style="list-style-type: none"> <li>■ During application under high temperatures (25-30°C): use cold water to maintain working time.</li> <li>■ During application under low temperatures (5-8°C): use warm water to allow the mortar to set faster</li> <li>■ Mix the amount of product that can be used within 2-3 min</li> <li>■ Do not add anything in the powder but water</li> <li>■ Do not add water to mortar that has already started to set</li> </ul>

<b>Value Base</b>	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.
-------------------	--

<b>Local Restrictions</b>	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.
---------------------------	---

<b>Health and Safety Information</b>	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

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.



**Sika Hellas ABEE**  
Protomagias 15  
145 68 Kryoneri  
Athens-Greece

Tel. +30 210 8160600  
Fax +30 210 8160606  
Email: [sika@gr.sika.com](mailto:sika@gr.sika.com)  
[www.sika.gr](http://www.sika.gr)

