

Application	
Mixing Equipment	<p>SikaGrout GP must be mechanically mixed using a mechanical grout mixer or a suitable drum mixer. The grout mixer will reduce the chances of the mix becoming lumpy or aerated.</p> <p>Smaller quantities should be mixed in a clean drum using an electric drill and spiral mixer at a speed of approximately 500rpm.</p> <p>DO NOT MIX BY HAND.</p>
Mixing Method	<p>1) Rammable grout, add 2.9 litres of water per 20kg bag. Flowable grout, add 3.2 litres of water per 20kg bag. Pourable grout, add 3.5 litres of water per 20kg bag.</p> <p>2) Add all the required water into the mixer.</p> <p>3) Add all the dry material into the mixer as it operates.</p> <p>4) Mix until the grout appears homogenous (3-5 minutes). Allow to stand so any entrapped air can escape. Do not add more water to increase flow of the grout is a mix has stiffened due to time delays. If grout is unworkable, discard.</p> <p>Note: Do not add water in amounts that will cause bleeding or segregation. More or less water may be required depending on the temperature and other variables.</p>
Placement	<p>SikaGrout GP can be placed by either packing and tamping, gravity flow or by pump. It is essential that proper placing on the job site is practiced to ensure placement is completed without problems. Sufficient labour, grout and equipment must be present to ensure continuous placement.</p> <p>1)Gravity Flow</p> <p>Mixed grout should be poured on one side of the void to avoid air entrapment. Grout is best poured over short distances to ensure this. Use a suitable header box, maintaining the grout head at all times to ensure a continuous flow.</p> <p>To facilitate grout compaction and top plate contact, use rodding, tamping or flexible strapping in short strokes while maintaining an adequate head of grout. Do not vibrate as this will cause segregation. Any adjacent machinery or equipment causing vibration should be shut down until initial set.</p> <p>2)Pumping</p> <p>When pumping SikaGrout GP, ensure the pump is suitable for the grout consistency and for the distance and height it is to be pumped. A positive displacement pump is recommended. Place grout by pumping into the farthest corner, filling the space gradually. Ensure that air is not entrapped under the base plate.</p> <p>3)Dry Packaging</p> <p>Dry packing, or hand placing, must be done with sufficient water for a stiff consistency to assure hydration and strength development of the grout. Apply by placing and tamping into the void. Wooden ramming tools are recommended as steel tools leave the surface too smooth to bond reliably to the next layer. Be careful during the packing process not to knock critical plates out of alignment.</p>
Placement Thickness	<p>Recommended thickness of SikaGrout GP in one pour is 20mm to 50mm. Minimum thickness is 10mm. Any grout pour that exceeds this should be done in stages, or have stone aggregate added to it, to reduce the exothermic heat. Contact Sika's Technical Department for further information.</p>
Curing	<p>Suitable curing methods such as plastic sheet, wet hessian, liquid membrane (eg. Antisol curing membranes) etc. must be used to protect the freshly applied grout from the drying effects of sun and wind. Curing must commence immediately after placement, and continue for at least 7 days. Curing is vital to the ultimate performance of the grout as it allows optimum strength development and ensures tight contact with the base plate.</p>

Cleaning Remove uncured SikaGrout GP from tools and equipment with water. Hardened material can only be removed mechanically.

Technical Data (Typical)

Form	Grey powder			
Density (mixed)	2100 kg/m ³ approx. (dependent on water addition rate)			
Potlife @ 20°C	30 minutes approx.			
Application temperature	Minimum 5°C Maximum 35°C			
Colour	Grey (when mixed)			
Yield @ 20°C (flowable)	Approximate yield per 20kg bag	Rammable 11.0 litres	Flowable 11.3 litres	Pourable 11.6 litres
Compressive Strength (tested at 20°C flowable)	Age			
	3 days	>25 MPa		
	7 days	>35 MPa		
	28 days	>50 MPa		
Packaging	20 kg paper bag			

Important Notes

- For detailed information on grouting application, specifications and guidelines, refer to Sika Grouting Systems.
- While SikaGrout GP is designed to be placed at a variety of consistencies, it is generally used at a flowable consistency.
- Store SikaGrout GP in dry conditions in unopened original packaging.
- Never apply to dry substrates.
- For high performance flowable grout, use SikaGrout 212HP.

Handling Precautions

- Avoid contact with the skin.
- Protective gloves and clothing are recommended when mixing or using this product.
- A full Material Safety Data Sheet is available from Sika on request.

Important Notification

The information, and, in particular, the recommendations relating to the application and end-use of Sika's 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 of our terms and conditions of sale. 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 DEPARTMENT FOR FURTHER INFORMATION.

Construction



Construction



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