

Product Data Sheet
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Sika® 102

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Waterplug, Fast Setting, Cementitious mortar

Description	Sika 102 is a chloride-free, ready-to-use mortar. When mixed with water, it becomes a powerful, fast-setting temporary waterplug.
Uses	To stop pressure leaks and seepage through rock and concrete as well as through joints between concrete and steel (bolt surroundings, ducts, sheetpiles etc.) in subways, culverts, tunnels, dams, basements, pools.
Advantages	<ul style="list-style-type: none"> ■ Easy to use, easy to mix, just add water ■ No special equipment required ■ Very fast setting with rapid strength development ■ Good adhesion ■ Remarkable water-stopping power and hydraulic resistance ■ No cracking ■ Chloride-free ■ Non corrosive

Product Data

Form/Colour	Powder / Grey
Packaging	2 / 5 kg bag
Storage	Dry, cool, shaded place
Shelf life	Min. 6 months if stored properly in unopened, original packaging

Technical Data

Density	~ 1.25 kg/ltr (bulk density of powder) ~ 2.00 kg/ltr (density of fresh mortar)
Mixing ratio	Sika 102 powder : water = 1 : 0.20 (parts by weight) Sika 102 powder : water = 1 : 0.30 (parts by volume)
Initial setting Time	60 - 90 seconds (at 27°C / 65 % r.h)
Application temperature	Minimum 10 °C Maximum 40 °C



Application

Application



Cut concrete or rock in “V” shape around the leaking point. Remove all chipping, unsound and loose particles and clean surface with water prior to application of Sika 102.



Fill freshly prepared Sika 102 into the V-shape cut, starting outside and work towards the center of the leak (plug minor leak first). Hold materials in place, and then strike off flush with surface.



If water pressure is very high, it is recommended to use wooden plug first, which is then covered and secured with Sika 102.

Notes on application/ limits

- It is recommended to prepare Sika 102 in small quantities at a time. If mixed in large amount, hardening may occur before it is completely used.
- Do not mix Sika 102 with other admixtures, cement or sand.

Health and Safety information

Ecology

Do not dispose into water

Transportation class

Non hazardous

Waste disposal

According to local law

Important notes

Sika 102 is hygroscopic. Seal unused quantity immediately in original container.

Sika 102 is cement base therefore is alkaline. Use rubber gloves when working with Sika 102. If Sika 102 gets into eyes, clean out immediately with fresh water

Disclaimer

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Sika Limited (Vietnam)

Nhon Trach 1 Industrial Zone,
Nhon Trach Dist., Dong Nai Province
Tel: (84-61) 3560 700 Fax: (84-61) 3560 699
www.sika.com.vn, sikavietnam@vn.sika.com

