

PRODUCT DATA SHEET

Davco® Jetcrete

5 minute flash setting mortar

DESCRIPTION

Davco® Jetcrete is a dry mixed mortar for rapid repair of concrete damaged by natural wear and aggressive environments.

USES

Davco® Jetcrete is a pre-blended, rapid-setting repair mortar designed for the fast repair of concrete damaged by wear, impact, and aggressive environmental conditions. It is specifically formulated for demanding applications requiring high early strength, rapid return to service, and heat-resistant concrete repairs.

Davco® Jetcrete is suitable for a wide range of applications, including rapid concrete and mortar repairs, anchoring of bolts and fixings, and installation of bathroom fixtures such as toilet bowls and pipe fittings. Its fast-setting properties make it ideal for situations where rapid repair and minimal downtime are essential.

FEATURES

- Ideal for filling, setting, plugging and patching
- Very rapid hardening, strong and easy to use
- High early strength
- Fast setting

PRODUCT INFORMATION

Packaging	8 kg pail		
Shelf life	6 months		
Storage conditions	Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between 4 °C and 35 °C.		
Compressive strength	Time	Compressive strength	(AS 1478.2:2005)
	1 hour	~ 5 MPa	
	24 hours	~ 7 MPa	
	28 days	~ 15 MPa	

APPLICATION INFORMATION

Mixing ratio	960–1,120 mL of clean potable water for 8 kg
Yield	~ 3.6 litres per 8 kg

Layer thickness	5 mm - 100 mm	
Initial set time	~ 5 minutes at 23 °C / 50 % r.h.	(AS/NZS 2350.4-2006)
Final set time	~ 20 minutes at 23 °C / 50 % r.h	(AS/NZS 2350.4-2006)

BASIS OF PRODUCT DATA

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.

IMPORTANT CONSIDERATIONS

- Davco® Jetcrete must not be applied at elevated temperatures above 30 °C or in hot windy conditions.
- Davco® Jetcrete should be protected from rain and frost for the first 24 hours.
- Allow Davco® Jetcrete to set firmly before return to service.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

All surfaces must be clean, sound and free from dust, ice, oils, grease or other surface contaminants such as curing membranes and form release agent etc. Bolt holes and fixing pockets should be free of dirt and debris by air blasting. For maximum bond, surfaces should be abraded or roughened, preferably by mechanical means such as needle gun, grit blasting, grinding etc. All prepared surfaces must be saturated with water several hours prior to grouting, ensuring it is free of any surface water or puddles

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MIXING

- The water addition should be 12–14 % of the dry weight of the product or sufficient to make a usable consistency.
- Measure the right amount of clean, potable water 960–1,120 mL of water to a 8 kg bucket of Davco® Jetcrete.
- To mix the product, add the water and roll the bucket on the ground with occasional vigorous shaking for 1 minute. Hand mix the final product for complete mixing.
- Continue to mix until a creamy consistency is achieved, free of lumps of powder.
- Use within 5 minutes of mixing. The product may set faster in hot conditions.
- Do not mix with ordinary portland cement as immediate setting may occur.
- If required use a small amount of additional water to achieve the desired consistency.
- Thoroughly dampen the existing concrete before placing Davco® Jetcrete.

CURING TREATMENT

The products will develop its highest strength when cured for a minimum of 24 hours after placing with one of the following methods:

- Polythene sheeting
- Water curing, such as mist spraying
- Wax or resin-based compound

Note: Setting time is affected by site conditions, climate and could be faster or slower than specified.

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.

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