

PRODUCT DATA SHEET

Sika® Injection-841

INJECTION MATERIAL BASED ON FINELY GROUND CEMENT

DESCRIPTION

Sika® Injection-841 is a injection material based on finely ground cement used for injection of cracks, cavities and anchor fixing.

USES

Sika® Injection-841 may only be used by experienced professionals.

Sika® Injection-841 is used for

- force-fit injection of cracks in concrete structures
- pouring and injecting of anchors in solid rock, concrete and stonework structures
- pouring and injecting of cavities, skips in concrete structures and gravel-pockets

CHARACTERISTICS / ADVANTAGES

- cement free of chloride
- high flow ability
- free of mineral aggregate
- low water/bonding material value
- high early strength and high final strength
- frost and de-icing-salt resistance
- not flammable
- protects against corrosion

PRODUCT INFORMATION

Composition	Cement
Packaging	20kg bag
Colour	grey powder
Shelf life	12 months shelf life from date of production if stored properly in undamaged, unopened, original sealed packaging
Storage conditions	Dry storage at temperatures from +5 °C up to +30 °C. Protect from direct sunlight and humidity
Density	fresh-mortar-density ~1,90 Kg/dm ³

Viscosity	flow-time through Marsh-Cone - 8mm spray	
	after 5 minutes	< 40 sec.
	after 60 minutes	< 50 sec.
Compressive Strength	after 24 hours	>30N/mm ²
	after 7 days	>45N/mm ²
	after 28 days	>60N/mm ²
Tensile Strength in Flexure	after 24 hours	>4,5N/mm ²
	after 7 days	>6,5N/mm ²
	after 28 days	>7,5N/mm ²
Expansion	after 24h $\geq 0,5\%$ vol.	
Product Temperature	minimum	+5°C
	maximum	+30°C
Substrate Temperature	minimum	+5°C
	maximum	+30°C

APPLICATION INSTRUCTIONS

MIXING

Sika® Injection-841 is a ready to use cementitious powder that only needs to be mixed with water. The used water must have drinking-water quality. Mixture of water regarding to Sika® Injection-841 is 0,35. The maximum water add-on is defined with 7L per bag of Sika® Injection-841.

Sika® Injection-841 can be mixed with a normal low speed mix equipment (600 rpm.) for at least 5 minutes.

Sika® Injection-841 should be kept in motion even during the injection-process to avoid deposit at the ground of your mixing-vessel.

APPLICATION METHOD / TOOLS

Use injection pumps suitable for single component injection products

CLEANING OF EQUIPMENT

Clean all tools and application equipment by using fresh water.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

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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