

PRODUCT DATA SHEET

SikaFix® AC-21

ACCELERATOR FOR SIKAFIX®-210 POLYURETHANE BASED INJECTION SEALING RESIN

DESCRIPTION

SikaFix® AC-21 is a yellowish liquid which accelerates the reaction time of the SikaFix®-210. SikaFix®-210 mixed with SikaFix® AC-21 starts foaming in both in contact with water and also in dry conditions without water.

USES

SikaFix® AC-21 may only be used by experienced professionals.

SikaFix® AC-21 is a specially formulated accelerator which reduces the reaction time of SikaFix®-210, particularly at low temperatures, or for the stopping of water inrushes. In situations with high water inrush and if a faster foaming and expanding action is required, the mixture of SikaFix®-210 and SikaFix® AC-21 can be further accelerated by the addition of SikaFix® AC-21 SF.

CHARACTERISTICS / ADVANTAGES

- For use at low temperatures
- High and rapid foaming
- Stops unexpected high water inrush
- Modular system with SikaFix®-210 Injection resin and SikaFix® AC-21 SF

PRODUCT INFORMATION

Composition	Amine based accelerator
Packaging	4 kg
Colour	Yellow
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 +35 °C. Protect from direct sunlight and humidity.
Density	~0.99 kg/l (at 23 °C) (ISO 2811)

APPLICATION INFORMATION

Reaction Time

Dry Environment, 20 °C material and ambient temperature

Dosage*	Foaming Start	Foaming End	Foaming Factor	(PM 10811-6)
0 %	~45 s	-	~1 fold	
5 %	~15 s	~25 s	~10 fold	
10 %	~12 s	~21 s	~15 fold	
15 %	~10 s	~17 s	~20 fold	
20 %	~9 s	~14 s	~25 fold	

Wet Environment (10 % water), 20 °C material and ambient temperature

Dosage*	Foaming Start	Foaming End	Foaming Factor	(PM 10811-6)
0 %	~48 s	~75 s	~3 fold	
5 %	~20 s	~45 s	~25–30 fold	
10 %	~15 s	~35 s	~25–30 fold	
15 %	~13 s	~27 s	~25–30 fold	
20 %	~11 s	~21 s	~25–30 fold	

Dry Environment, 10 °C material and ambient temperature

Dosage*	Foaming Start	Foaming End	Foaming Factor	(PM 10811-6)
0 %	~100 s	-	~1 fold	
5 %	~30 s	~40 s	~10 fold	
10 %	~25 s	~35 s	~15 fold	
15 %	~21 s	~30 s	~20 fold	
20 %	~18 s	~14 s	~25 fold	

Dry Environment, 5 °C Material and Ambient Temperature

Dosage*	Foaming Start	Foaming End	Foaming Factor	(PM 10811-6)
0 %	~140 s	-	~1 fold	
5 %	~40 s	~52 s	~10 fold	
10 %	~33 s	~46 s	~15 fold	
15 %	~28 s	~41 s	~20 fold	
20 %	~25 s	~14 s	~25 fold	

* SikaFix® AC-21 in % by weight of SikaFix®-210 (Component A+B)

Ambient Air Temperature

+5 °C min. / +35 °C max.

Substrate Temperature

+5 °C min. / +35 °C max.

APPLICATION INSTRUCTIONS

MIXING

Shake the unopened can of SikaFix® AC-21 thoroughly immediately prior to mixing.

Mix SikaFix® AC-21 into comp. A of SikaFix®-210 until homogenous.

The mixing ratio of (SikaFix®-210 comp. A + SikaFix® AC-21) : SikaFix®-210 comp. B remains at 1:1 by volume. Reduce the amount of SikaFix®-210 comp. A accordingly if adding SikaFix® AC-21.

Use SikaFix®-210 according to the respective Product Data Sheet and Application Instructions.

CLEANING OF EQUIPMENT

Clean all tools and application equipment according to the Product Data Sheet for the Sika® Injection Cleaning System.

Hardened/cured material can only be removed mech-

anically.

IMPORTANT CONSIDERATIONS

- The maximum amount of SikaFix® AC-21 must not exceed 20 % of the mixed SikaFix®-210 (comp. A + comp. B).
- The reaction time depends on both the material and the ambient temperatures, as well as on the quantity of accelerator added. Lower temperatures will slow down, and higher temperatures will accelerate the reaction time.

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

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.

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.