

PRODUCT DATA SHEET

SikaRapid[®]-820 P

Hardening Accelerator

DESCRIPTION

SikaRapid[®]-820 P is a hardening accelerator in powder form for cementitious dry mortar and concrete.

SikaRapid[®]-820 P develops after a few hours very high strengths.

USES

SikaRapid[®]-820 P is especially suitable for any application where high early strength development plays a major role, or is of crucial importance within the first hours. SikaRapid[®]-820 P is used but is not limited for the following applications:

- rapid setting fixing mortars and grouts for fast loading
- precast elements for early demoulding and fast removal
- fast setting foam mortar
- fast setting tile adhesive
- fast setting post fix dry mortar

FEATURES

SikaRapid[®]-820 P provides the following advantages through accelerated hardening of mortar / concrete within 20 min to 2 hours depending on mix design, fresh mortar temperature and curing conditions:

- workability time 10 – 15 min
 - end of hardening 15-18 min
 - approx. 25 MPa after 24 h at 20°C in concrete
 - good strength development even below 10°C
 - adjustable workability with SikaTard-805 P
- SikaRapid[®]-820 P does not contain chlorides, nitrates or any other ingredients which promote the corrosion of steel. It is therefore suitable for use in reinforced and prestressed concrete structures.

PRODUCT INFORMATION

Composition	Compound of anorganic components
Packaging	25 kg bag, 40 bags/pallet
Appearance and colour	light grey powder
Shelf life	12 months shelf life from date of production if stored in dry conditions in undamaged, unopened, original sealed packaging.
Storage conditions	Dry storage at temperatures up to +30°C. Protect from direct sunlight.
Bulk density	Approx. 0.75 g/cm ³
pH-Value	Approx. 12.5 (10 % solution)
Total chloride ion content	≤ 0.10 %
Equivalent sodium oxide	≤ 18.0 %

APPLICATION INFORMATION

Recommended dosage	2 - 5 % by weight of cement (according to the target accelerating effect) Note: Preliminary testing is required to determine the exact dosage for specific conditions. Please contact Sika technical service for more information and advice.
Compatibility	SikaRapid®-820 P may be combined with many other Sika products like Sika® ViscoCrete®. To adjust begin of setting, the addition of SikaTard®-805 P is recommended. Note: Always conduct trials before combining products in specific mixes and contact Sika technical service for information and advice about any specific combinations.
Dispensing	SikaRapid®-820 P is added to the dry mix.

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.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

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.

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.

Sika Deutschland CH AG & Co KG

Concrete
Peter-Schuhmacher-Straße 8
69181 Leimen
Tel.: +49 06224 988-04
leimen@de.sika.com
www.sika.de



PRODUCT DATA SHEET

SikaRapid®-820 P
February 2025, Version 01.02
021402021000000207

SikaRapid-820P-en-DE-(02-2025)-1-2.pdf

