

# REPAIR MORTAR TURBO REPAIR MORTAR

**KA-S REPAIR MORTAR (0-0.5 mm)**  
**KA-TS TURBO REPAIR MORTAR (0-0.5 mm)**

## TEST CERTIFICATES AND SUPPORTING DOCUMENTS

- › Company certification acc. to DIN EN ISO 9001:2015

## PROPERTIES

- › Rapid setting repair mortar suitable for all kinds of repairs, filling and sealing
- › Extremely easy to use, only requires mixing with water
- › Has a soft plastic mortar consistency and, depending on temperature, is resilient within a short period of time
- › Cement-bound composition free from corrosive additives and accelerators
- › Open to water vapour diffusion with a high freeze-thaw resistance
- › Impermeable to water and largely resistant to mineral oils and fuels
- › Complies with the requirements of building material class A1 (non-combustible) as specified under decision 2000/605/EC of the European Commission dated September 26, 2000 (published in the official journal L258)

## AREAS OF APPLICATION

- › For sealing rigid cracks in concrete and masonry walls, channels and shafts
- › For temporarily sealing cracks that leak water to enable further crack repair
- › For sealing diaphragm walls in building and underground construction
- › For integrating and sealing pipe feedthroughs
- › For use as an assembly and installation mortar for electric installation, pipe and heating installation
- › Temporary extensive sealings

### MOISTURE CLASSES BASED ON CONCRETE CORROSION FROM ALKALI-SILICIC ACID REACTIONS

Moisture class	WO	WF	WA	WS
<b>KA-S/KA-TS</b>	•	•	•	•

The aggregates in PAGEL<sup>®</sup>'s products comply with the requirements of alkali sensitivity class E1 from non-hazardous sources specified under DIN EN 12620.

### EXPOSURE CLASS ALLOCATION ACC. TO: DIN EN 206-1 / DIN 1045-2

	XO	XC	XD	XS	XF	XA	XM
	1 2 3 4	1 2 3	1 2 3	1 2 3	1 2 3 4	1 2 3*	1 2 3
<b>KA-S</b>	•	••••	••••	••••	•••	••	•
<b>KA-TS</b>	•	••••	••••	••••	•••	••	•

\* Having sulfate attack up to 600 mg/l  
With protective measures according to DIN 1045-2

**TECHNICAL DATA**

TYPE		KA-S	KA-TS
Grain size	mm	0-0.5	0-0.5
Layer thickness	mm	0.5-30	0.5-30
Amount of water	max. %	20	20
Consumption approx.	kg/dm <sup>3</sup>	1.75	1.75
Processing time approx.+ 20 °C	s	30	15
Mixing time	max. s	30	15
Compressive strength*	1 h	N/mm <sup>2</sup> ≥ 4	≥ 4
	2 h	N/mm <sup>2</sup> ≥ 8	≥ 8
	4 h	N/mm <sup>2</sup> ≥ 10	≥ 10
	6 h	N/mm <sup>2</sup> ≥ 20	≥ 20
	8 h	N/mm <sup>2</sup> ≥ 25	≥ 25
	1 d	N/mm <sup>2</sup> ≥ 30	≥ 30
	7 d	N/mm <sup>2</sup> ≥ 50	≥ 50
28 d	N/mm <sup>2</sup> ≥ 60	≥ 60	

\* DIN EN 196-1-compliant compressive strength testing

**Note:** All fresh and solid mortars are tested at 20 °C ± 2 °C. Higher or lower temperatures result in deviating properties of fresh respectively solid mortars and test results. Depending on the temperature, the consistency can be adapted with a slight reduction of the mixing water.

- Storage:** 6 months. Cool, dry, free from frost. Unopened in its original container.
- Delivery form:** 10-kg bucket
- Hazard class:** Non-hazardous material, observe information on packaging.
- GISCODE:** ZP1

**PAGEL PRODUCT COMPOSITION:**

- Cement:** acc. to DIN EN 197-1
- Aggregate:** acc. to DIN EN 12620
- Additions:** acc. to DIN EN 450, general building inspection approval (abZ), DIN EN 13263 (fly ash, microsilica, etc.)

**PROCESSING**

**SUBSTRATE PREPARATION:**

Remove loose and unsound material such as cement slurry and dirt etc. using suitable methods, e.g. shot-blasting or similar until the underlying solid grain structure has been exposed. A sufficient average tear strength (1.5 N/mm<sup>2</sup>, KEW 1.0 N/mm<sup>2</sup>) must be ensured.

**Prewetting:**

Prewet the concrete substrate to capillary saturation for approx. 6-24 hours.

**MIXING:**

The dry mortar is supplied ready to use and only needs to be thoroughly mixed with max. 20 % water. The mixing time is approx. 30 or 15 seconds.

**APPLICATION:**

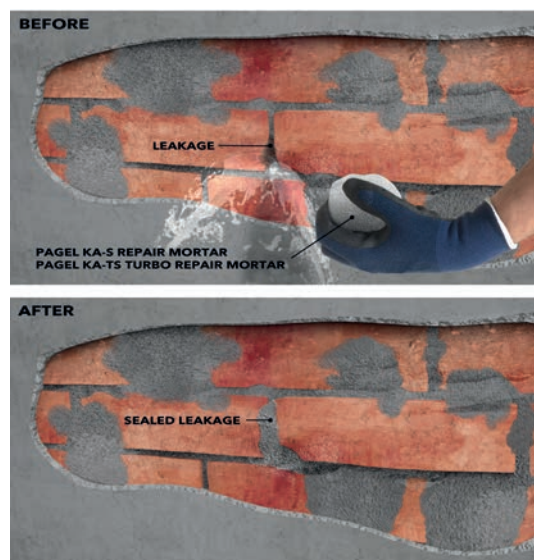
Apply immediately after mixing. If there is ingressing water, firmly press mortar plug into the leaking crack for 2 minutes.

**Temperature range:** + 5 °C to + 35 °C

**Mixing water:** Drinking water quality

**FOLLOW-UP TREATMENT:**

Fresh mortar areas must be protected from premature water evaporation (from wind, draughts, direct exposure to sun, etc.) immediately on completion of the work for a period of 3-5 days.



The information provided in this leaflet, application instructions and other recommendations are based on extensive research and experience. They are, however, not binding, in particular with regard to third party proprietary rights, and do not relieve the customer of his responsibility to verify that the products and processes are suitable for the intended application. The indicated test data are mean values and average analyses. Deviations are possible when delivery takes place. Recommendations that differ from those provided in this leaflet require written confirmation. Planners and operators are responsible for ensuring that this leaflet is the latest edition and for obtaining information on the latest technological developments. Our customer service staff will be happy to answer your questions at any time. Many thanks for your interest in our products. This technical data sheet supersedes all previously issued product information. Please visit our website for the latest valid version of this brochure at [www.pagel.com](http://www.pagel.com). **PAGEL Spezial-Beton GmbH & Co. KG** Wolfsbankring 9 Tel. +49 201 68504 0 45355 Essen · Germany Fax +49 201 68504 31 [www.pagel.com](http://www.pagel.com) · [info@pagel.com](mailto:info@pagel.com)