



## PAGEL® FAST-SETTING PRECISION GROUT

### PROPERTIES

- Cold-Weather Applications: Cures at the same rate when temperatures fall as low as 40°F (4°C).
- can be **loaded after just 2 hours**, thus facilitating the early start-up of machines and other dynamically stressed parts.
- **high flow, cementitious, non shrink grout**
- **ready for use**, need only be mixed with water
- **capable of high level of flow** and can be used as grouting mortar or, depending on the quantity of water, as **tamping mortar**
- was developed on the basis of the well-known V1 PAGEL GROUTING MORTAR, and thus guarantees high quality and durability
- particularly suitable for grouting work at **lower temperatures**
- **free of chlorides**
- does not shrink, **develops a controlled increase in volume** with force-locking bonding between concrete foundation and machine plate
- **resistant to frost and dew-salt**, impervious to water and resistant to oil and chemicals
- Forms can be removed in a short time - even at **lower temperatures**, reduces down-time, shortens assembly work and is thus **highly economical**
- can be **pumped** and is easy to process
- depending on the height of the grouting, is supplied in **various grain sizes**, as an option also with steel fibers or basalt sand
- is subject to our **own constant monitoring** and has been tested by the MPA
- is monitored in accordance with the standards and guidelines in force and production is certified in accordance with **ISO 9001**

### FILEDS OF APPLICATION

- **quick setting grout mortar** for precision machines of all kinds
- **wind, steam and gas turbines**, generators, compressors, diesel engines and other power station equipment which are subjected to high vibrations
- **anchor screws**, fixators and base plates
- **steel and concrete supports**
- **finished concrete parts** and steel construction
- **bridge supports** and bridge joint construction
- **crane rails** and radio-telescopes
- **steel and metallurgical works**, as well as mining installations
- **paper, chemical and refining equipment**

V 2/1 0<sub>US</sub>

V 2/4 0<sub>US</sub>

V 2/8 0<sub>US</sub>

V 2/1 6 0<sub>US</sub>



# PAGEL® FAST-SETTING PRECISION GROUT

V 2/10<sub>US</sub>

V 2/40<sub>US</sub>

V 2/80<sub>US</sub>

V 2/160<sub>US</sub>

## TECHNICAL DATA

TYPE		V 2/10	V 2/40	V 2/80	V 2/160
aggregate size	inch	0- <sup>1</sup> / <sub>32</sub> "/0-1 mm	0- <sup>3</sup> / <sub>16</sub> "/0-5 mm	0- <sup>5</sup> / <sub>16</sub> "/0-8 mm	0- <sup>5</sup> / <sub>8</sub> "/0-16 mm
grouting height	inch	0-1"(10-25mm)	<sup>3</sup> / <sub>4</sub> "-4"(20-100mm)	2"-8"(50 - 200 mm)	> 4"(100-400 mm)
quantity of water	max. %	13(3 <sup>1</sup> / <sub>2</sub> QTS)	13(3 <sup>1</sup> / <sub>2</sub> QTS)	11(3 QTS)	10(2 <sup>5</sup> / <sub>8</sub> QTS)
consumption	lbs/ft <sup>3</sup>	125	125	131	131
working time	68°F minutes	≥ 30	≥ 30	≥ 30	≥ 30
measure of extension	mm	-	-	≥ 27.65	≥ 23.62
measure of flow	mm	≥ 25.59	≥ 25.59	-	-
degree of expansion	Vol. %	+ 0.3	+ 0.3	+ 0.3	+ 0.3
compressive strength	2 h	PSI	≥ 725	≥ 725	≥ 725
	4 h	PSI	≥ 1,450	≥ 1,450	≥ 1,450
	6 h	PSI	≥ 1,740	≥ 1,740	≥ 1,740
	8 h	PSI	≥ 2,175	≥ 2,175	≥ 2,175
	12 h	PSI	≥ 2,610	≥ 2,610	≥ 2,610
	24 h	PSI	≥ 4,350	≥ 3,625	≥ 3,625
	7 d	PSI	≥ 8,700	≥ 8,700	≥ 8,700
	28 d	PSI	≥ 10,150	≥ 10,150	≥ 10,150
	56 d	PSI	≥ 10,150	≥ 11,600	≥ 10,875
	91 d	PSI	≥ 10,875	≥ 12,325	≥ 11,600

All test data are values derived under normal climate conditions. 23/50-2

**storage:** 6 months, dry and in closed sacks  
**supplied in:** 55 lb./25 kg  
**danger class:** Not a dangerous substance  
 Observe safety data sheet

**types of cement:** Other types of cement can also be supplied although the technical properties are changed as a result. If you have any queries, please call Customer Service.

## PROCESSING

**SUBSTRATE:** Clean thoroughly. Remove loose material and cement sludge by high-pressure water jets, or other equipment, down to the load-bearing grain structure. There must be sufficient adhesive strength (217.5 PSI). Approximately 6 hours before grouting pre-wet to saturation.

**FORMWORK:** Brace well, and carefully seal to the foundation concrete with sand or dry mortar.

**MIXING:** The mortar is ready-to-use and only has to be mixed with water. Pour 2/3 of the water into the mixer, add dry mortar and mix for approx. 3 minutes; add rest of the water and mix for a further 2 minutes. Other types of mixers may require longer mixing periods. The grouting process should proceed immediately.

**GROUTING:** The grouting process is to be done only from one side or corner and, if possible, without interruption. For large area processes, we recommend proceeding from the middle of the plate, grouting with a funnel and corresponding tube. First grout the anchor holes (up to the top edge of the anchor hole) and then the machine plate.

**CAUTION:** Open surfaces are to be protected against wind, drafts and premature water evaporation with film or O1 PAGEL-SURFACE PROTECTION. Grout should not extend more than 2 inches beyond the machine base or plate. In the case of frost, please contact us. Lower temperatures delay the development of strength and reduce flowability. Higher temperatures accelerate it. Cold water reduces flowability.

The information provided in this leaflet, is supplied by our consulting service and is the end result of exhaustive research work and extensive experience. They are, however, without liability on our part, in particular with regard to third parties proprietary rights, and do not relieve the user of the responsibility for verifying that the products and processes are suitable for the intended application. The data presented was derived from tests under normal climate conditions according to DIN 50014 and mean average values and analysis. Deviations are possible when delivery takes place. Given that recommendations may differ from those shown in this leaflet written confirmation should be sought. It is the responsibility of the purchaser to ensure they have the latest leaflet issue and that its contents are current. Our customer service staff will be glad to provide assistance at any time. We appreciate the interest you have shown in our products. This technical data sheet supercedes previously issued information. Please find the latest leaflet issues at [www.pagel.com](http://www.pagel.com).



## PAGEL-USA

4282 SHORELINE DRIVE · SPRING PARK  
 MINNESOTA 55384 · USA  
 OFFICE 001 952 942 6105 · FAX 001 952 942 6108  
[WWW.PAGEL-USA.COM](http://WWW.PAGEL-USA.COM) · [SALES@PAGEL-USA.COM](mailto:SALES@PAGEL-USA.COM)