

V 2/40 PAGEL®- QUICK SETTING GROUT

PROPERTIES

- can be **loaded after just 2 hours**, thus facilitating the early start-up of machines and other dynamically stressed parts, also by 169° F.
- **high flow**
- **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 V 1 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
- can be peeled off 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 to the height of the grouting, is supplied in **various grain sizes**, as an option also with steel fibres 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**

FIELDS OF APPLICATION

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



V 2/40 PAGEL®-QUICK SETTING GROUT

TECHNICAL DATA

TYPE		V 2/1 0	V 2/4 0	V 2/8 0	V 2/1 6 0	
grain size	inch	0-0.04	0-0.16	0-0.31	0-0.63	
geight of under-casing	inch	0.39-0.79	0.79-2.36	1.97-3.94	> 3.94	
quantity of water	max. %	12	12,5	9-10	10	
consumption	lbs/ft ³	124.86	124.86	131.1	131.1	
measure of extension	inch/ø	11.81	11.81	11.81	10.63	
measure of flow	inch	25.59	25.59	24.8*	25.2*	
compressive strength 676 °F	2 h	PSI	1,740	2,175	1,740	2,175
	4 h	PSI	2,610	2,900	2,610	2,900
	8 h	PSI	4,640	4,640	4,640	4,060
	24 h	PSI	5,510	5,800	5,510	5,510
	3 d	PSI	7,975	7,250	7,250	6,525
	7 d	PSI	8,700	8,700	8,700	8,700
compressive strength 169 °F	2 h	PSI	1,450	1,450	1,305	435
	4 h	PSI	2,030	2,030	2,030	1,595
	8 h	PSI	3,625	3,770	3,625	1,885
	24 h	PSI	5,075	5,220	4,640	4,060
	3 d	PSI	6,525	6,380	6,090	5,220
	7 d	PSI	7,685	7,830	6,235	6,380
28 d	PSI	8,700	9,135	7,685	9,425	
degree of swelling	Vol. %	+0.5	+0.6	+0.5	+0.4	
processing time	Min.		35-45 (676 °F) / 45 (169 °F)			

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

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

PROCESSING

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

FORMWORK: Fix well and with stability carefully seal on the foundation concrete with sand or dry mortar.

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

GROUTING: The grouting process is to be carried out only from one side or corner and, if possible, without interruption. For large-area processes we recommend, possibly proceeding from the middle of the plate, that you grout with 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, draughts and premature water evaporation e. g. with film or O1 PAGEL-SURFACE PROTECTION and are to be avoided beyond the grouting edge of approx. 1.97 inch. In the case of the frost, please get in contact with us; lower temperatures delay the development of strength and reduce flowability, higher temperatures accelerate it; colder preparation water interferes with 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-usa.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 · SALES@PAGEL-USA.COM

V 2/40

V 2/10

V 2/80

V 2/1 6 0