



## PAGEL® PACKABLE GROUT

### PROPERTIES

- **non-shrink, packable grout**, cement-based
- controlled and even expansion with a rigid bond between concrete foundation and machine base plate
- **high early and final strength**
- has a **plastic consistency** and its density provides **resistance to freeze / thaw-cycles**, impervious to water and resistant to oil and chemicals
- is free of chloride and contains no alumina cement or other additives which may cause corrosion
- **easy to pour**, need only be mixed with water
- is **ready for use** with a working time of approx. 45 minutes at 676 °F, can be pumped and placed very easily
- is subject to our own **constant controlling** in accordance with the recognized standards and guidelines. The production is certified in accordance with **ISO 9001**.
- V 1 4 consists of the following products:
  - V 1 4 / 1 O aggregate size  
0 – 1/32" (0 – 1 mm)  
grouting height  
3/8" – 1 3/16" (10 – 30 mm)
  - V 1 4 / 4 O aggregate size  
0 – 3/16" (0 – 5 mm)  
grouting height  
3/8" – 2 3/4" (10 – 70 mm)
  - V 1 4 / 8 O aggregate size  
0 – 5/16" (0 – 8 mm)  
grouting height  
2" – 4" (50 – 100 mm)

### FIELDS OF APPLICATION

- **placing under machine base plates, bridge bearings, fixator leveling units and pre-fabricated parts**
- **repairs** on walls and floor treads, and concrete break-outs
- **filling** of pre-fabricated part-joints

V 1 4 / 1 O<sub>S</sub>

V 1 4 / 4 O<sub>S</sub>

V 1 4 / 8 O<sub>S</sub>



# PAGEL® PACKABLE GROUT

V 1 4 / 1 0<sub>US</sub>

V 1 4 / 4 0<sub>US</sub>

V 1 4 / 8 0<sub>US</sub>

## TECHNICAL DATA

TYPE			V 1 4 / 1 0	V 1 4 / 4 0	V 1 4 / 8 0
<b>aggregate size</b>	inch/mm		0 – 1/32" (0 – 1 mm)	0 – 3/16" (0 – 4 mm)	0 – 5/16" (0 – 8 mm)
<b>grouting height</b>	inch/mm		3/8" – 1 3/16" (10 – 30 mm)	3/8" – 2 3/4" (10 – 70 mm)	2" – 4" (50 – 100 mm)
<b>quantity of water</b>	%		14–18	14–18	10–12
	Quarts		3 3/4 – 4 3/4	3 3/4 – 4 3/4	2 5/8 – 3 1/4
	Liters		3.5 – 4.5	3.5 – 4.5	2.5 – 3
<b>compressive strength</b>	24 h	PSI	≥ 4,350	≥ 5,075	≥ 5,075
	7 d	PSI	≥ 7,975	≥ 7,975	≥ 7,975
	28 d	PSI	≥ 9,425	≥ 9,425	≥ 9,425
<b>bending strength</b>	24 h	PSI	≥ 725	≥ 725	–
	7 d	PSI	≥ 1,015	≥ 1,015	–
	28 d	PSI	≥ 1,305	≥ 1,160	–
<b>E-Modul</b>	7 d	PSI	–	2,030,000	app. 2,175,000
	28 d	PSI	–	2,175,000	2,320,000
<b>expansion</b>	Vol. %		+ 0.8	+ 0.8	+ 0.8
<b>density of fresh mortar</b>	lbs/ft <sup>3</sup>		140	140	137
<b>material needed (dry-mortar)</b>	Yield/bag		0.46	0.46	0.45
	ft <sup>3</sup> /bag				

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

**supplied in:** 55 lb./25 kg bags  
**shelf life:** 9 months in sealed, dry bags  
**test certificate:** MPA Nr. 21 0012 05 00  
**cement types:** supply may take place with various cement types, however, the technical characteristics will change through this. Should you have any questions, please do not hesitate to contact our advisory service.

**hazard class:** No dangerous substance, observe safety data sheet.  
**GISCODE:** ZP1



CE-Mark and EG conformity in accordance to EN 934-4:2002:02  
 Reg.-No.: 0921-BPR-2010  
 Additive for concentrate in accordance EN 934-4:T2

## PROCESSING

**SUBSTANCE:** Clean thoroughly. Remove loose and adhesion-restricting parts and cement sludge by using high-pressure water jets, or other equipment, down to the load-bearing grain structure. Approximately 6 hours before grouting pre-wet to saturation.

**FORMWORK:** Must be of rigid construction with sand or dry mortar being placed around the concrete base carefully to prevent leakage.

**MIXING:** The grout is ready-to-use it 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. With other types of mixer allow longer mixing periods if required. The grouting process should proceed directly.

**APPLICATION:** Place carefully in one continuous pour. For repair work use V 1 4 / 1 0 as a primer in form of a slurry. Brush the slurry into the concrete surface and apply the mortar before the surface dries out.

Processing time: approx. 30 min. (at 86 °F)  
 approx. 45 min. (at 68 °F)  
 approx. 90 min. (at 41 °F)

**NOTE:** Open surfaces are to be protected against wind, drafts and premature water evaporation with plastic sheeting 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. Higher temperatures accelerate strength development.

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)