



PAGEL®-BASALT GROUTING

PROPERTIES

- the admixture consists of **basalt sand and gravel** up to 3.5 mm or 8 mm
- **heat-resistant** up to 400 °C
- capable of **high flowability** it can be used as **grouting mortar** or, depending on the quantity of water, as **tamping mortar**
- was developed on the basis of V 1 PAGEL GROUTING MORTAR and this guarantees high quality and durability
- **ready for use**, need only be mixed with water
- **free of chlorides**
- **does not shrink, develops a controlled increase in volume** with force locking bonding between concrete foundation and machine plate
- **resistant to freeze thaw-cycles**, impervious to water and resistant to oil and chemicals
- depending on the height of the grouting it is supplied in **various grain sizes**, as an option also with steel fibers
- is subject to our own **constant controlling** in accordance with the recognized standards and guidelines. The product is certified in accordance with **ISO 9001**
- V 1 5 consists of the following products:
 - V 1 5/30 (0-3 mm) grouting height 30-50 mm
 - V 1 5/50 (0-5 mm) grouting height 40-100 mm
 - V 1 5/80 (0-8 mm) grouting height 50-120 mm

FIELDS OF APPLICATION

- **steel and metallurgical works** as well as mining installations
- **machines**
- **steel supports**
- **turbines, generators, compressors, diesel engines** and other power station equipment, which are subject to high vibrations
- **paper, chemical and refining equipment**

V 1 5/30

V 1 5/50

V 1 5/80

Assigning to expositioncategory according to:
DIN 1045-2 / EN 206-1
PAGEL - BASALT GROUTING

	XO 0	XC 1 2 3 4	XD 1 2 3	XS 1 2 3	XF 1 2 3 4	XA 1 2 3	XM 1 2 3
V 1 5/30	•	• • • •	• • •	• • •	• • • •	• •	•
V 1 5/50	•	• • • •	• • •	• • •	• • • •	• •	•
V 1 5/80	•	• • • •	• • •	• • •	• • • •	• •	•



V 1 5/30

V 1 5/50

V 1 5/80

TECHNICAL DATA

TYPE		V 1 5/30	V 1 5/50	V 1 5/80
grain size	mm	0-3	0-5	0-8
grouting height	mm	30-50	40-100	50-120
quantity of water	%	14-16	10-12	10-12
consumption	kg/dm ³	app. 2.0	app. 2.2	app. 2.2
density of freshly mixed mortar	kg/dm ³	app. 2.38	app. 2.46	app. 2.44
processing time	20°C min.	≥ 60	≥ 60	≥ 60
measure of exesion	5 min. cm/Ø	≥ 25	≥ 25	≥ 25
compressive strength*	24 h N/mm ²	≥ 40	≥ 45	≥ 45
cube 15x15	7 d N/mm ²	≥ 60	≥ 70	≥ 70
	28 d N/mm ²	≥ 75	≥ 80	≥ 80
bending strength	24 h N/mm ²	≥ 5	≥ 6	≥ 5
	7 d N/mm ²	≥ 7	≥ 8	≥ 7
	28 d N/mm ²	≥ 8	≥ 9	≥ 9
expansion	Vol.%	+ 0.1	+ 0.1	+ 0.1

All test data are guide values, proofed in our German manufacturing plants, - values from other manufacturing plants may vary.

* DIN EN 196-1-compliant compressive strength testing; DIN EN 12390-3-compliant compressive strength testing

Supplied in: 25 kg bags
Storage: dry
Shelf-life: 9 months in original sealed bags
Hazard Class: No dangerous goods observe security instructions
GISCODE: ZP1



CE Mark and EC conformity
 according to EN 934-4:2001/A1:2004
 Reg.-No.: 0921-BPR-2010
 EN 934-4 compliant grout additive

PROCESSING

SURFACE: Clean thoroughly. Remove loose and adhesion-restricting parts as well as 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 use longer mixing periods if required. The grouting process should proceed directly.

APPLICATION: The grouting process is to be carried out from one side or corner only and if possible without interruption. For large-area processes we recommend if possibly proceeding from the middle of the plate, 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.

NOTE: Open surfaces are to be protected against wind, draughts and premature water evaporation e.g. with plastic foil or O1 PAGEL-SURFACE PROTECTION. The edge of the grouting should not be wider than approx. 50 mm. In case of frost, please contact us. Lower temperatures delay the development of strength and reduce the flow ability, higher temperatures accelerate the same; colder preparation water interferes with flow ability.

All of the information, technical advice and recommendations provided in this brochure are based on comprehensive research and practical experience. However, they are - including with regard to third-party property rights - for information only and do not release customers from their responsibility to check whether the above products and procedures are suitable for their intended use. The above test data has been derived under standard climatic conditions and in accordance with DIN 50014. These values are average values and analyses, and product values may slightly differ upon delivery. Any recommendations contrary to those stated in this brochure require our written consent. The planner and processing company must always obtain information on the latest state of the art and relevant valid edition of this brochure. Please do not hesitate to contact our customer service department at any time and many thanks you for your interest. This brochure makes all previously published product information null and void. Please visit our website for the latest valid version of this brochure at www.pagel.com.



PAGEL®
SPEZIAL-BETON GMBH & CO.KG

WOLFSBANKRING 9 · D-45355 ESSEN
 TEL. +49 (0)2 01-6 85 04-0 · FAX +49 (0)2 01-6 85 04-31
 INTERNET: WWW.PAGEL.COM · E-MAIL: INFO@PAGEL.COM