

PAGEL®-BASALT GROUTING

PROPERTIES

- the admixture consists of **basalt sand and gravel** up to 0.12 inch or 0.31 inch
- **heat-resistant** up to 13,520 °F
- 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 (0-0.12 inch)
grouting height 1.18-1.97 mm
 - V 1 5/50 (0-0.2 inch)
grouting height 1.57-3.94 mm
 - V 1 5/80 (0-8 inch)
grouting height 1.97-3.94 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_{US}

V 1 5/50_{US}

V 1 5/80_{US}



PAGEL®-BASALT GROUTING

V15/30_{US}

V15/50_{US}

V15/80_{US}

TECHNICAL DATA

TYPE		V 1 5 / 3 0	V 1 5 / 5 0	V 1 5 / 8 0	
grain size	inch	0-0.12	0-0.2	0-0.31	
grouting height	inch	1.18-1.97	1.57-3.94	1.97-3.94	
quantity of water	%	14-16	10-12	10-12	
consumption	lbs/ft ³	124.86	137.35	137.35	
density of freshly mixed mortar	lbs/ft ³	148.58	153.58	152.33	
measure of extension	inch/Ø	11.02	10.63	10.24	
compressive strength	24 h	PSI	6,525	7,250	6,815
	7 d	PSI	10,150	10,585	9,425
	7 d	PSI	11,600	12,615	12,325
	28 d	PSI	13,195	13,775	14,500
bending strength	24 h	PSI	1,015	1,160	-
	7 d	PSI	1,160	1,160	-
	7 d	PSI	1,305	1,305	-
	28 d	PSI	1,595	1,595	-
expansion	Vol. %	+ 0,6	+ 0,5	+ 0,5	

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

supplied in: 25-kg-container
shelf life: 9 months in sealed container, dry
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

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.

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.



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