

PAGEL®-ANCHOR GROUT

PROPERTIES

- E 1 (0 – 0,5mm) Anchor grout - liquid
E 1 S F (0 – 0,5mm) Anchor grout - workable
- **high flowability** (E 1)
- **Soft and plastic consistency**
- cementitious and chloride-free
- controlled and even expansion
- **high early and final strength**
- low w/c-value
- **frost and deicing-salt resistant**, waterproof, widely resistant to oil and petroleum
- Building material class A1 (non-combustible) as specified by EN 13501 and DIN 4102/1
- **Approved** for use in drinking water areas in accordance with the DVGW Work Sheet W347
- **supervised** according to the actual standards. Production certified by **ISO 9001**
- Pagel's Factory Production Control (FPC) complies with the DafStb Directive on the "Manufacture and use of cementitious concrete and grout"

FIELDS OF APPLICATION

- **grouting and injecting** of anchors in rock, soil, concrete and masonry (E 1)
- for **over-head applications** and for **filling joints, cavities and rock anchors** (E 1 S F)
- use E 1 S F for vertical areas and for the **centrifugal grouting of tubes**

E 1

E 1 S F

Assigning to expositioncategory according to:

DIN 1045-2 / EN 206-1

PAGEL – ANCHOR GROUT

	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
E 1	•	• • • •	• • •	• • • •	• • • •	• •	• •
E 1 S F	•	• • • •	• • •	• • • •	• • • •	• •	• •

CE	
0921	
PAGEL® Spezial-Beton GmbH & Co. KG D-45355 Essen	
find the printed batch number	
0921-CPD-2096:Factory Essen / 0921-CPD-2097:Factory Dorsten	
EN 1504-6:2006	
E 1 PAGEL®-ANCHOR GROUT Products for anchoring reinforcing bars (on the basis of hydraulic cement)	
Tightening resistance	≤ 0,6 mm at a load of 75 kN
Chloridion content	0,008 M.-%
* Glass transition temperature	NPD
Reaction to fire	Euroclass A1
* Creep behaviour while under tensile stress after 3-months of uninterrupted exposure to a load of 50 kN (only applies to polymers)	NPD
Hazardous Substance	In accordance with EN 1504-6:2006, 5.3

NPD: „No Performance Determined“

* It is not possible to determine these characteristics, as the products in question are cementitious.



CE
0921
PAGEL Spezial-Beton Work Essen
find the printed batch number
0921-CPD-2096
EN 1504-6

CE
0921
PAGEL Spezial-Beton Work Dorsten
find the printed batch number
0921-CPD-2097
EN 1504-6

E 1

E 1 S F

TECHNICAL DATA

TYPE		E 1	E 1 S F
grain size	mm	0–0,4	0–0,4
amount of water	%	30	13
consistency		liquid	workable
material needed	app. kg/dm ³	1,6	1,8
density of freshly mixed mortar	app. kg/dm ³	2,050	2,000
working time	at + 20°C min.	app. 60	app. 60
expansion	1d %	0,3	0,3
compressive strength*	2 h N/mm ²	–	–
	4 h N/mm ²	–	–
	1 d N/mm ²	≥ 40	≥ 15
	7 d N/mm ²	≥ 55	≥ 40
	28 d N/mm ²	≥ 65	≥ 50
bending strength	2 h N/mm ²	–	–
	4 h N/mm ²	–	–
	1 d N/mm ²	≥ 5	≥ 4
	7 d N/mm ²	≥ 6	≥ 6
	28 d N/mm ²	≥ 7	≥ 7
packaging	kg-bag	20	25

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

storage: 9 months store dry in sealed bags
hazard class: No dangerous substance
follow safety data sheet
GISCODE: ZP1
Other cements: Other cements are available
however, the technical
characteristics may change.



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

SUBSTRATE: Clean thoroughly, remove all loose or unsound parts and any cement slurry, pre-water sufficiently.

MIXING: Fill the water into a compulsory type mixer retaining a small amount, add the dry mortar and mix for approx. 3 minutes; then add the remaining water and mix for another 2 minutes.

APPLICATION: Pouring, injecting or pumping should occur immediately.

CAUTION: Protect exposed areas against wind, draughts and premature evaporation by using plastic foils or O1 PAGEL-CURING AGENT.

Please contact us in the event of frost, lower temperatures delay the development of strengths and reduce the flowability, higher temperatures accelerate these, colder preparation water reduces the flowability.

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