

PAGEL®-ANCHOR- AND INJECTION-GROUT

Injection Material for filling voids

PROPERTIES

- **high flow capacity**, cement based, non shrink
- **free of aggregates**
- **easy to process**, needs only to be stirred with water
- develops high **early and final strengths** and great adhesive tension
- **impervious to water** and extensively resistant to oil, checks corrosion at the same time
- is subject to our own **constant controlling** in accordance with the recognized standards and guidelines - the production is certified in accordance with **ISO 9001**.

FIELDS OF APPLICATION

- **fixing** of anchorings in rock material, in the ground, in concrete and in masonry
- injection of cracks, joints, gravel patches and cavities in vertical and horizontal positions

E 1 F

Assigning to expositioncategory according to:

DIN 1045-2 / EN 206-1

PAGEL - ANCHOR GROUT

	XO	XC	XD	XS	XF	XA	XM
	0	1 2 3 4	1 2 3	1 2 3	1 2 3 4	1 2 3	1 2 3
E 1 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 F PAGEL®-ANCHOR- AND INJECTION-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	0,007 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 Werk Essen
find the printed batch number
0921-CPD-2096
EN 1504-6

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

E 1 F

E 2 F

TECHNICAL DATA

TYPE	E 1 F		
grainsize	mm	0-0,125	
quantity of water	%	35	
consumption	kg/dm ³	1.5	
density of freshly mixed mortar	kg/dm ³	1.965	
measure of time	5 min.	s	≤ 40
(Marsch: 8 mm nozzle)	60 min.	s	≤ 50
expansion	24h	Vol. %	+ 0.5
compressive strength*	2 h	N/mm ²	-
(DIN1164)	4 h	N/mm ²	-
	24 h	N/mm ²	≥ 30
	7 d	N/mm ²	≥ 45
	28 d	N/mm ²	≥ 60
bending strength	2 h	N/mm ²	-
	4 h	N/mm ²	-
	24 h	N/mm ²	≥ 4
	7 d	N/mm ²	≥ 6
	28 d	N/mm ²	≥ 7

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: 20-kg-bags
storage: dry
shelf-life: 9 months in sealed bags
types of Cement: Other types of cement can also be supplied although the technical properties are changed as a result. If you have any queries, please get in touch with our Customer Services.

PROCESSING

SUBSTRATE: Carefully clean, remove loose and adhesion-reducing parts as well as cement slurry. Pre-wet sufficiently.

MIXING: Apart from a residual quantity, pour the water into the forced-circulation mixer. Add dry mortar and mix for approx. 3 minutes. Add the rest of the water and mix for a further 2 minutes.

PROCESSING: : The casting, injection or pumping process should proceed directly.

Processing time: E 1 F

app. 45 min. (at 30 °C)

app. 60 min. (at 20 °C)

app. 90 min. (at 5 °C)

CAUTION: Protect exposed surfaces against wind, draughts and premature water evaporation e.g. with plastic foil or O1 PAGEL-SURFACE-PROTECTION.

In the event of frost, please get in contact with us; lower temperatures delay the development of strength and reduce flow capacity, higher temperatures accelerate these; colder preparation water interferes with flow capacity.



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

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SPEZIAL-BETON GMBH & CO. KG