

PAGEL®-PRE-MIXED-GROUT

PROPERTIES

- **non shrink high viscosity mortar**, 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 20 °C, 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 14 consists of the following products:
 - V 14/1 O (0 – 1 mm)
placing height 10 – 30 mm
 - V 14/4 O (0 – 4 mm)
placing height 10 – 70 mm
 - V 14/8 O (0 – 8 mm)
placing height 50 – 100 mm
- Pagel's Factory Production Control (FPC) complies with the DafStb Directive on the "Manufacture and use of cementitious concrete and grout"

FILES OF APPLICATION

- placing under machine base plates, bridge bearings, fixator levelling units and pre-fabricated parts
- repair on wall and floor
treads, concrete outbreaks
- filling of pre-fabricated part-joints

V 14/1 O

V 14/4 O

V 14/8 O

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

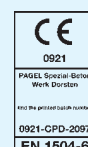
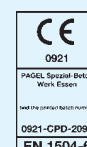
PAGEL - PRE-MIXED-GROUT

	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
V 14/1 O	•	• • • • •	• • • • •	• • • • •	• • • • •	• • • • •	• • • • •
V 14/4 O	•	• • • • •	• • • • •	• • • • •	• • • • •	• • • • •	• • • • •
V 14/8 O	•	• • • • •	• • • • •	• • • • •	• • • • •	• • • • •	• • • • •

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			
V14/1O, V14/4O u. V14/8O PAGEL®-PRE-MIXED-GROUT Products for anchoring reinforcing bars (on the basis of hydraulic cement)			
Products	V 14/1 O	V 14/4 O	V 14/8 O
Tightening resistance	≤ ≤ 0.6 mm at a load of 75 kN		
Chloridion content	0.005 M.-%	0.004 M.-%	0.004 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.



V14/10

V14/40

V14/80

TECHNICAL DATA

TYPE		V14/10	V14/40	V14/80
grain size	mm	0-1	0-4	0-8
grouting height	mm	10-30	10-70	50-100
quantity of water	max. %	10-12	10-12	9-10
material needed (dry-mortar)	app. kg/m ³	2000	2000	2100
consumption	app. kg/dm ³	2.20	2.25	2.30
processing time	at +20°C min.	+ 0,5	+ 0,5	+ 0,5
expansion	24 h Vol. %	+ 0.5	+ 0.5	+ 0.5
compressive strength*	24 h N/mm ²	≥ 45	≥ 45	≥ 45
	7 d N/mm ²	≥ 70	≥ 70	≥ 70
	28 d N/mm ²	≥ 75	≥ 75	≥ 75
	90 d N/mm ²	≥ 85	≥ 85	≥ 85
bending strength	24 h N/mm ²	≥ 5	≥ 5	-
	7 d N/mm ²	≥ 8	≥ 8	-
	28 d N/mm ²	≥ 9	≥ 9	-
	90 d N/mm ²	≥ 11	≥ 11	-
e-modul	7 d N/mm ²	30.000	30.000	30.000
	28 d N/mm ²	30.000	30.000	30.000

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-container
shelf life: 12 months in sealed container, dry
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 EC conformity
 according to EN 934-4:2001/A1:2004
 Reg.-No.: 0921-BPR-2010
 EN 934-4 compliant grout additive

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 14/10 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 30 °C)
 approx. 45 min. (at 20 °C)
 approx. 90 min. (at 5 °C)

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 do reduce flow ability, higher temperatures accelerate the same.

www.superbeton.su
 (495) 648-52-04

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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