PAGEL®

V B 3

PAGEL®-RAPID SET GROUT

PROPERTIES

- **extremely early-high-strength and shrinkage-free grout and assembly mortar-** cement based
- after **just 30 minutes** achieves sufficient compressive strength (8 N/mm² at 20 °C) for early loading
- can be used universally for assembly, repair and grouting work
- **does not shrink,** bonds in a force-locking manner, adhences to the substrate
- **water-impermeable,** largely impervious to oil, resistant to frost and dew-salt
- can be applied **without any problems,** is mixed only with water and has a processing time of 10-15 minutes
- as a result of short assembly times attains high **economy** and saves costs – if used for traffic applications, only brief interruptions are necessary
- is monitored in accordance with the recognized standards and guidelines in force. The production is certified in accordance with **ISO 9001.**
- **is supplied as a system** and consists of the following products:

V B 3 / 4 0	**0–4 mm**
V B 3 / P	**0–0.4 mm plastic consistency**
V B 3 / S	**0–0.4 mmsuperfast**

FIELDS OF APPLICATION

- **drain cover** frame grouting
- **repair** of concrete damage, kerbstones, stair-steps
- **grouting** of supports and finished parts

VB 3 PAGEL®-RAPID SET-GROUT

TECHNICAL DATA

TYP			VB 3	VB 3 /40	VB 3 /S	VB 3 /P
Grain		mm	0–0,4	0–4,0	0–0,4	0–0,4
Grouting height		mm	10–50	30–60	10–50	10–50
Quantity of water		%	18	15	18	15
Consumption		kg/dm³	1,8	2,0	1,8	1,8
Processing time	20 °C	Min.	10	10	10–15	10–15
Measure of flow	(Rinne)	cm	70	68	65	16,5
Expansion		%	+ 0,4	+ 1,0	+ 0,5	+ 0,4
Compressive strength	30 min	N/mm²	4	9	10	9
	1 h	N/mm²	18	13	14	15
	2 h	N/mm²	20	18	20	18
	4 h	N/mm²	23	18	23	19
	6 h	N/mm²	24	19	25	19
	8 h	N/mm²	25	20	25	20
	24 h	N/mm²	30	25	25	25
	7 d	N/mm²	40	30	30	35
	28 d	N/mm²	50	40	43	50
Bending strength	30 min	N/mm²	2	1	2	1
	1 h	N/mm²	3	2	2	2
	2 h	N/mm²	3	2	3	2
	4 h	N/mm²	3	2	3	2
	6 h	N/mm²	3	2	3	3
	8 h	N/mm²	4	3	3	3
	24 h	N/mm²	5	4	5	3
	7 d	N/mm²	6	4	5	4
	28 d	N/mm²	8	5	7	6

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

Supplied in: 25-kg-bag
Storage: dry
Shelf-life: 9 months in sealed bags
Hazard class: observe safety data sheet
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 service

PROCESSING

SUBSTRATE: Clean thoroughly. Remove loose and adhesion-restricting parts and cement slurry by high-pressure water jets or other equipment down to the load-bearing grain structure. Approximately 6 hours before grouting pre-wet to saturation.

FORMWORK: Fix well and with stability, carefully seal on the foundation concrete with sand or dry mortar.

MIXING: The mortar is ready-for-use and only has to be mixed with water. Apart from a residual quantity, pour 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. The grouting process should proceed directly.

WATER: 25 kg VB 3 + 5.0 to 6.0 l water

GROUTING: The grouting process is to be carried out only from one side or corner and, if possible, without interruption. For large-area processes we recommend, possibly proceeding from the middle of the plate, that you 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 or such like. Processing time: approx. 15 minutes (20 °C).

GROUTING HEIGHT: up to 50 mm
for drain cover applications

CAUTION: Exposed surfaces are to be protected against wind, draughts and premature water evaporation e.g. with film or O1 PAGEL-SURFACE-PROTECTION. The grouting edge should be no wider than approx. 50 mm. In the event of frost, please get in contact with us; lower temperatures delay the development of strength and reduce flow, higher temperatures accelerate these; colder preparation water interferes with flow.

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