



PAGEL®-FAST SETTING REPAIR-MORTAR

PROPERTIES

- is the permanent solution for quick **repair work** for concrete and mortar surfaces
- can be loaded after **2 hours** (and develops high early and final compressive strengths – it is **chloride and alumina free**)
- is cost effective by reducing closure times on concrete roads and pavements
- has good workability, high adhesive strength to cement based substrates and is highly resistant to abrasion
- is resistant to frost and dew-salt, water-impermeable, largely impervious to oil
- by modifying the water ratio a plastic to stiff consistency may be obtained – it is also supplied with steel fibre, basalt sand and various sizes of aggregate for different height applications
- is pre-mixed, only the addition of water for site use is necessary – no other primer systems are required

FIELDS OF APPLICATION

- **patching** concrete, screeding and plaster or stucco repairing holes, corners and cracks
- **grouting** masonry, floor and butt joints – laying materials (bricks, slabs, tiles etc.)
- **applying** binder layers and sprayed concrete
- **joining** prefabricated concrete components, old and new concrete
- **sealing** against water ingress by plastering, repairing and slurry sealing

R 20/02

R 20/05

R 20/20

R 20/40

R 20/80



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TECHNICAL DATA

TYPE		R 20/02	R 20/05	R 20/20	R 20/40	R 20/80
grain size	mm	0–0,2	0–0,5	0–2,0	0–4,0	0–8,0
coating thickness	mm	0,5–5	2–6	5–40	20–50	30–100
amount of water	%	max. 18	14–16	11–12	11–12	11–12
consumption	kg/dm ³	1,9	1,8	2,0	2,0	2,0
density of freshly mixed mortar	kg/dm ³	2,15	2,1	2,23	2,2	2,23
compressive strength	2 h	N/mm ²	5	8	10	9
	4 h	N/mm ²	6	10	16	12
	8 h	N/mm ²	10	14	18	18
	1 d	N/mm ²	15	15	25	25
	3 d	N/mm ²	22	30	30	30
	7 d	N/mm ²	30	40	36	40
	28 d	N/mm ²	45	50	50	65
adhesive strength	28 d	N/mm ²	> 2,0	> 2,0	> 2,0	> 2,0

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

working time: approx. 15 min. (20 °C)
amount required: approx. 2000 kg per m³ or 2 kg per l
supplied in: 25-kg-bags

storage: dry
shelf-life: 6 months in sealed bags

PROCESSING

SUBSTRATE: Concrete surfaces have to be cleaned and must be free of loose and unsound material, dust, oil, grease etc. – also of residual corrosion. If necessary the surface can be cleaned by scabbling or sandblasting. The repair area must then be wetted with water until surface saturation is reached.

MIXING: Depending on consistency required, measure out most of the total water requirement and place in mixer. Add R20 pre-mixed mortar to rotating mixer and allow to mix for short period. Add remainder of the water and allow to mix for a further 5 minutes.

ADHESION PRIMER: After cleaning, coat any exposed reinforcing steel with R 20/20 or R 20/10 corrosion protection or EH3 EPOXY RESIN (two coats sprinkled with quartz sand). Make up R 20 or R 20/10 as a slurry using the maximum water volume specified; brush this slurry thoroughly into the surface.

PROCESSING: Apply the mortar in the desired consistency, and before the adhesion primer dries out spread, compact and smooth the material. Keep all tools wet.

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

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