



## 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<sub>US</sub>

R 20/05<sub>US</sub>

R 20/20<sub>US</sub>

R 20/40<sub>US</sub>

R 20/80<sub>US</sub>



# PAGEL®-FAST SETTING REPAIR-MORTAR

R 20/02 US

R 20/05 US

R 20/20 US

R 20/40 US

R 20/80 US

## TECHNICAL DATA

TYPE		R 20/02	R 20/05	R 20/20	R 20/40	R 20/80
<b>grain size</b>	inch	0–0,2	0–0,5	0–2,0	0–4,0	0–8,0
<b>coating thickness</b>	inch	0,5–5	2–6	5–40	20–50	30–100
<b>amount of water</b>	%	max. 18	14–16	11–12	11–12	11–12
<b>consumption</b>	lbs/ft <sup>3</sup>	118.62	112.37	124.86	124.86	124.86
<b>density of freshly mixed mortar</b>	lbs/ft <sup>3</sup>	134.22	131.10	139.22	137.35	139.22
<b>compressive strength</b>	2 h	PSI	725	1,160	1,450	1,305
	4 h	PSI	870	1,450	2,320	1,740
	8 h	PSI	1,450	2,030	2,610	2,610
	1 d	PSI	2,175	2,175	3,625	3,625
	3 d	PSI	1,450	4,350	4,350	4,350
	7 d	PSI	4,350	5,800	5,220	5,800
	28 d	PSI	6,525	7,250	7,250	9,425
<b>adhesive strength</b>	28 d	PSI	> 290	> 290	> 290	> 290

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

**working time:** approx. 15 min. (67° F)  
**amount required:** approx. 2000 kg per m<sup>3</sup> 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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