Specialist Company «ASOKA»

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RAPID REPAIR MORTAR



- A mortar suitable for use throughout the entire year
- One product One system
- Repair mortar as specified by DIN EN 1504-3
- Can be applied at temperatures as low as 1 °C
- Ready for bearing loads within 2 hours when applied at 5 °C
- Suitable for use on walls and floors
- Suitable for sewer repairs



PROPERTIES

- Durable solution for urgent repairs
- Can be applied at temperatures as low as 1°C
- Ready for bearing loads within 2 hours when applied at 5°C
- · Supplied ready for use and easy to apply
- · Polymer-modified, inhibits corrosion
- · Free from chloride and alumina cement
- · Frost and road-salt resistant
- Residual moisture content after 24 h < 4% and < 3% after 3 days
- Frost resistant after 8 hours (5 °C)
- · Building material class A1 (non-combustible) as specified by EN 13501 and DIN 4102





FIELDS OF APPLICATION

- Suitable for small-scale cosmetic and restorative work (R20/02, R20/05)
- Suitable for urgent repairs
- Suitable for use on concrete and mortar substrates
- Suitable for application to walls and floors
- Suitable for use in industrial facilities, on ramps, garages
- · Suitable for repairing and restoring concrete
- Suitable for repairing broken areas, holes, edges
- · Suitable for repairing the inside of sewers

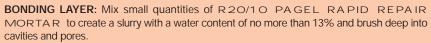
PRODUCTS

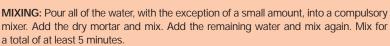
- R20/02 PAGEL-RAPID FINEGRAIN REPAIR PUTTY (0-0,2 mm)
- R20/05 PAGEL-RAPID REPAIR PUTTY (0-0,5 mm)
- R20/10 PAGEL-RAPID REPAIR MORTAR (0-1,0 mm)
- R20/20 PAGEL-RAPID REPAIR MORTAR (0-2,0 mm)
- R20/40 PAGEL-RAPID REPAIR MORTAR (0-4,0 mm)
- R20/80 PAGEL-RAPID REPAIR MORTAR (0-8,0 mm)

PROCESSING

SUBSURFACE: Clean thoroughly; remove all loose objects and objects that might prevent adhesion, as well as cement slurries, using blasting or similar. The substrate must have an adequate pull-off strength (1.5 N/mm²), roughness and load bearing capacity. Moisten to saturation before application! Remove all rust from any exposed reinforcing steel (Sa 2 1/2 in accordance with DIN 55928, Part 4) and coat with MSO2 PAGEL CORROSION PROTECTION without leaving any gaps.

Concrete layers thicker than 10 mm and that are subsequently covered with putty (R2O/O5) and OS/(O2C) do not require any corrosion protection.





APPLICATION: Once mixed to a plastic consistency, apply the R2O PAGEL RAPID REPAIR MORTAR in one go to the bonding layer before it has had a chance to set and smooth after an appropriate waiting period. Always make sure to keep the application tools wet!

APPLICATION TIME: R20 PAGEL RAPID REPAIR MORTAR is designed to start setting after approx. 30 minutes when applied at 20°C. It is ready for smoothing after just a short time.

CAUTION: Protect the repaired surface against wind, drafts and premature water evaporation using, e.g. sheeting, for 3-5 days after application. The supplementary information provided in the Technical Data Sheet O1 PAGEL EVAPORATION PROTECTION must also be taken into consideration if exposed to direct sunlight or wind.





R20 PAGEL-RAPID REPAIR MORTAR SYSTEM

TECHNICAL DATA

TYPE (Putty)			R20/02	R20/05
Particle size		mm	0-0.2	0-0.5
Layer thickness		mm	0.5–5	2–6
Amount of water		%	max. 18	14–16
Consumption		kg/dm³	1.9	1.8
Starts setting after	20°C	min.	арр. 15	арр. 15
Density of freshly mixe	ed mortar	kg/dm³	2.15	2.1
Compressive strength	* 2 h	N/mm ²	≥5	≥5
	4 h	N/mm ²	≥6	≥10
	8 h	N/mm ²	≥10	≥13
	1 d	N/mm ²	≥15	≥20
	7 d	N/mm ²	≥30	≥40
	28 d	N/mm ²	≥50	≥50
Adhesive tensile strength	28 d	N/mm²	≥2	≥2





All test data are guide values, proofed in our German manufacturing plants, - values from other manufacturing plants may vary.

TYPE (Mortar)			R20/10	R20/20	R20/40	R20/80
Particle size		mm	0–1.0	0–2.0	0–4.0	0–8.0
Layer thickness		mm	3–20	5–40	20-50	30–100
Amount of water		%	11–13	11–12	11–12	11–12
Consumption		kg/dm³	1.9	2.0	2.0	2.0
Starts setting after	20°C	min.	арр. 15	app. 15	app. 15	арр. 15
Density of freshly mixed mortare		kg/dm³	2.19	2.23	2.2	2.23
Compressive strength	n* 2 h	N/mm ²	≥5	≥5	≥5	≥5
	4 h	N/mm ²	≥10	≥10	≥10	≥10
	8 h	N/mm ²	≥15	≥15	≥15	≥15
	1 d	N/mm ²	≥20	≥25	≥ 25	≥25
	7 d	N/mm ²	≥40	≥40	≥45	≥40
	28 d	N/mm ²	≥55	≥55	≥55	≥55
Adhesive tensile strength	28 d	N/mm²	≥2	≥2	≥2	≥2

^{*} DIN EN 196-1-compliant compressive strength testing DIN EN 12390-3-compliant compressive strength testing

All test data are guide values, proofed in our German manufacturing plants, - values from other manufacturing plants may vary.

Storage: Can be stored for up to 6 months in a dry place and while in sealed packaging

Packaging: 25-kg bag

Hazard class: Non-hazardous material, please see safety data sheet

GISCODE: ZP

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	0921						
PAGEL® SPEZIA				D-45355	Essen		
	find the printed batch number						
		- BPR -					
R20 PAG		1504-3:20		MODE			
					A FC		
Mortar for statically and not statically relevant repairs (on the basis of hydraulic cement)							
Product name:	R20/02	R20/05	R20/10	R20/20	R20/40	R20/80	
Class	F	23		R	4		
Compressive strength	≥ 25	MPa	≥ 45 MPa				
Chloridion content	≤ 0.05 %		≤ 0.05 %				
Adhesion	≥ 1.5 MPa ≥ 2.0 MPa						
Prevented shrinkage/swelling	≥ 1.5	5 MPa		≥ 2.0	MPa .		
Resistance to carbonation	NPD NPD						
Modulus of elasticity	≥ 15 GPa ≥ 20 GPa						
Temperature variation tolerance	NPD						
Grip	NPD						
Thermal expansion coefficient	NPD						
Capillary water absorption	NPD						
Reaction to fire	Class A1						
Hazardous Substance	In accordance with EN 1504-3:2005, 5.4						
NPD: "No Performance Determined"							

(6					
PAGEL® SPEZIAL-BETON GmbH & Co. KG, D-45355 Essen					
PAGEL* - RAPID REPAIR MORTAR Cement based screed					
R20/10	R20/20	R20/40	R20/80		
Afl	Afl	Afl	Afl		
C60	C60	C60	C60		
F10	F10	F10	F7		
CT	CT	СТ	CT		
NPD					
A12	A12	A9	A9		
NPD					
	ETON GmbH the printed ba EN 138* RAPID RE Cement based R20/10 Afl C60 F10 CT	### STON GmbH & Co. KG, D the printed batch number EN 13813 RA PID REPAIR MO Cement based screed ### R20/10	### STON GmbH & Co. KG, D-45355 Esset the printed batch number		

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Exposition category according to: DIN 1045-2 / EN 206-1 PAGEL – RAPID REPAIR MORTAR

	XO 0	XC 1 2 3 4	XD 1 2 3	XS 1 2 3	XF 1234	XA 123	XM 1 2 3
R20/02	•	• • • •	• •		• •	•	•
R20/05	•	• • • •	• • •	• • •	• • •	•	•
R20/10	•	• • • •	• • •	• • •	• • •	• •	•
R20/20	•	• • • •	• • •	• • •	• • •	• •	•
R20/40	•	• • • •	• • •	• • •	• • •	• •	•
R20/80	•						•

R20/02 - R20/80	R20/10 - R20/20	R20/40	R20/80
C €	CE	C€	CE
PAGEL Spezial-Beton Wolfsbankring 9 45255 Essen	PAGEL Spezial-Beton Wolfsbankning 9 45355 Essen feel the printed batch number	PAGEL Spezial-Boton Wolfsbankring 9 45355 Essen	PAGEL Spezial-Beton Wolfsbankring 9 45355 Essen field the printed betch number
0921-BPR-2034	CT C60 F10 A12	CT C60 F10 A9	CT C60 F7 A9
EN 1504-3	EN 13813	EN 13813	EN 13813

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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.

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