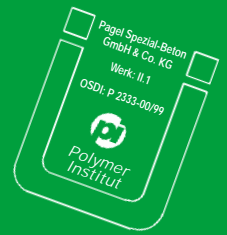




D1 PAGEL®-PAGELASTIC



PROPERTIES

- a **polymer modified cement slurry** with high elastical characteristics
- **crack-bridging** for all surface-near stress fractures and areas with fine cracks < 0,2 mm, even when having temperatures of -20 °C
- consists of **two components**, is delivered in ready for use containers and the processing is easy and **without any problems**
- **vapor-permeable**
- **resistant to water**, hinders the penetration of water and harmful substances dissolved in the water, for example dew-salts
- **stops the penetration of CO₂** (carbonatizing)
- **resists water pressure** up to 5 bar
- for reasons of its consistency it can be applied by **brush, steel scraper** or by **spraying** without any problems
- its widespread field of application, **crack-bridging abilities** and effortless usage ensure a durable economic solution as surface protection and **sealing**
- for colouring it is possible to paint-over with crack-bridging surface protection coating, for example O2DE (according to TL/TP-OS/DII)
- **monitored** in accordance with the valid standards and guidelines in accordance with **ISO 9001**

FIELDS OF APPLICATION

- crack-bridging floor- and **wall-coating** suitable for substrates of concrete, mortar and masonry, not exposed to traffic
- provides protection against **penetration of thawing-salt** within the splashing zone
- **bridge supports** and crash barriers
- **balconies**, terraces, for sealing underneath tiles
- **concrete buildings**
- surface protection system **OS-DI** according to **ZTV-SIB (TL/TP-OS)**
- alternative sealing against not pressing water (DIN 18 195 T5)



D1 PAGEL-PAGELASTIC

TECHNICAL DATA

TYPE	A	B
appearance	powder	liquid
colour	grey	milky
packaging	9,375 kg	3,125 l-can
material basis	cement	polymer dispersion
mixing ratio	3	1

mixed material:

density of freshly mixed water	kg/dm ³	app. 1,75
colour		cementgrey
vapour transfer resistant	m	< 4
CO ₂ -resistance	m	> 250
bonding strength	N/mm ²	> 0,8
crack bridging	+ 20 °C W/mm	< 0,4
-ability	- 20 °C W/mm	< 0,2
working temperature	+ 8 °C bis + 30 °C	
working time	+ 10 °C min	app. 120
	+ 20 °C min	app. 90
	+ 30 °C min	app. 60
minimum layer thickness	mm	2

All given tested dates are values tested in a normal climate 23/50-2.

supplied in:	component A: 20-kg-bags component B: 9-l-cans
storage:	cool, frost free and dry
shelf-life:	6 months in unopened sealed containers
hazard class:	no dangerous goods watch safety data sheet
GISCODE:	ZP2

PROCESSING

SUBSTRATE: Clean and dry, remove loose and unsound material, if necessary sandblast or grind the surface. Larger cavities in the substrate are filled using M10 PAGEL-GROUT READY FOR USE (PCC) or MS20 PAGEL-REPAIR MORTAR PCC-SYSTEM:

tearing strengths: (concrete):	> 1,5 N/mm ²
adhesion: (screeding compound):	> 1,3 N/mm ²

The surface must be wetted so it appears moist to dry when applying

LEVELLING: Rough and uneven concrete surfaces are levelled by using MS05 PAGEL-PCC-SCREEDING-COMPOUND. This procedure is not necessary on a smooth, even surface.

MIXING: Pour all of component B (liquid) into a clean vessel, add component A while stirring thoroughly. Mix with a slow revolving mixer (400 rpm) until the material is homogenous and lump-free, at least, however, for 5 minutes.

PROCESSING: D 1 is to be applied evenly by using a brush or steel scraper. To reach an evenly structured surface use a soft brush. D 1 can be easily injected (for example by using a Strobl-pump with screeding nozzle). Avoid puddles in the corners or in cavities. Smooth surfaces when having middle temperatures within 5 to 8 minutes. Watch dew point temperature.

Temperature of substrate, air and material must be at least +8 °C, max. +30 °C.

Apply 1,7–2,0 kg/m² per layer. Attention is to be paid that per process the minimum thickness of each layer is at least 1 mm.

Waiting time (having 20 °C):

■ time to get dry:	approx.	3 hours
■ resistant to rain:	after approx.	5 hours
■ following layer D 1:	after approx.	5 hours
■ layer O2DE:	after approx.	24 hours

High humidity and low temperatures prolong the waiting times.

CURING: D 1 hardens under normal weather conditions without getting cracks or bubbles. If the material is exposed to strong sun or wind D 1 is to be protected to prevent early drying (for example by using a plastic foil). Is D 1 being coated with O2DE PAGEL-SURFACE-PROTECTION for reasons of colouring two coats of O2DE are to be applied when having a light shade.

Information provided in this leaflet, supplied by our applications consulting service and contained in other recommendations is based on 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 given testing dates were found out in a normal climate according to DIN 50014 and mean average values and analysis. Deviations are possible when delivery takes place. Given Recommendations differing from this leaflet are in need of a written confirmation. Planner and user are required to inform themselves regarding the latest development of technology and the valid issue of the according leaflet. 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 actual and latest leaflets under www.pagel.com.



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