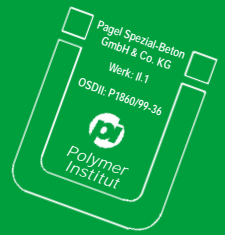


## O2DE PAGEL® CONCRETE- PROTECTION-COATING



### PROPERTIES

- **crack-bridging coating system** (class I<sub>T</sub>) for all **bridge-surfaces** without traffic (splash-zone) and other **concrete structures**
- prevents penetration of water and harmful substances (for example CO<sub>2</sub>, SO<sub>2</sub>) even at **low temperatures** (tested at temperatures down to -20 °C)
- **vapor-permeable** as well as resistant to alkaline and aging
- bridging both: **stress fractures** and **areas with fine cracks** < 0,3 mm, also has an elongation when subjected to tearing of 115 % (+23 °C) and 103 % (-23 °C)
- **preventive protection** coating on surfaces with a high risk of crack occurrence
- based on a **polymer dispersion** (pure acrylic)
- **free of solvents** and environmentally friendly
- the PAGEL-CONCRETE-PROTECTION-SYSTEM is according to the specifications of the **ZTV-SIB, TL/TP-OS (96), OS-DII** and corresponds to the guidelines of DafStb, OS-5a.
- **monitored** in accordance with the valid standards and guidelines in accordance with **EN ISO 9001**
- the PAGEL-CONCRETE-PROTECTION-SYSTEM consists of

MSO5 PAGEL-PCC-SCREEDING-COMPOUND

O2DE PAGEL-CONCRETE-PROTECTION-COATING

### FIELDS OF APPLICATION

- **concrete and mortar surfaces** (splash-zone)
- **PCC and SPCC substrates**
- **crack-bridging** protection coating
- **surface protection** on sound surfaces
- resurfacing of sound, compatible **older coatings**
- **optical enhancement** of concrete buildings, both new and old, indoor and outdoor



# O2DE PAGEL®-CONCRETE-PROTECTION-COATING

## TECHNICAL DATA

TYPE	MSO5 SCREEDING COMPOUND		O2DE SURFACE COATING		
<b>material basis</b>	cement (PCC)		dispersion		
<b>rough density</b>	kg/dm <sup>3</sup> 1,96				
<b>density</b>			kg/dm <sup>3</sup>	1,360	
<b>solids</b>			Vol. %	53	
<b>layer thickness</b>	min.	mm	0,5	mm	0,330
	max.	mm	6	mm	2,660
<b>consumption by ZTV-SIB per m<sup>2</sup> app. kg each coating</b>					
<b>OS-DII</b>	R <sub>t</sub> =0,2 mm		2,0		0,34
	R <sub>t</sub> =0,5 mm		2,0		0,37
	number of coatings		1		3
<b>temperatures</b> substrate, surface, air	min.	°C	+ 5	°C	+ 8
	max.	°C	+40	°C	+ 40
	moisture level	air	%	< 100	%
	surface	mat-damp		%	<6
<b>application time</b>	20 °C		Min.	45	no limit
	<b>mixing water</b>				
	each 25-kg-bag	l	3,75		
	1. Coating			+ %	3
	2. u. 3. coating				undiluted
<b>waiting period until</b>					
next coating:					
	substrate				
	matdamp	> h	6	> h	24
	dry	> h	5	> h	24
<b>insensitive against wetness</b>					
	20 °C	> d	1	> h	4
<b>adhesive strength</b>					
<b>on concrete surface</b> (must ≥ 1,3 N/mm <sup>2</sup> )					
		N/mm <sup>2</sup>	> 1,8		
<b>on screeding compound-surface</b> (must ≥ 0,8 N/mm <sup>2</sup> )					
		N/mm <sup>2</sup>			1,3
<b>colour</b>	grey		RAL 7032 other on inquiry		
<b>supplied in</b>	25-kg-bag		17 kg (12,5 l)-can		
<b>storage</b>	dry, frost free in unopened sealed containers				
<b>shelf-life</b>	9 months		12 months		
<b>hazard class</b>	no dangerous goods				

## PROCESSING

### System structure:

1. MSO5 PAGEL-PCC-SCREEDING-COMPOUND
2. O2DE 1<sup>st</sup> coating
3. O2DE 2<sup>nd</sup> coating
3. O2DE 3<sup>rd</sup> coating

**SCREEDING-COMPOUND SUBSTRATE:** Rough and uneven concrete surfaces are levelled by using MSO5 PAGEL-PCC-SCREEDING-COMPOUND. Follow the directions given in the data sheet for this product. Wait at least 5 days (20 °C) before applying O2DE to the fresh filler.

**MIXING:** O2DE is ready for use. Mix until homogenous before use. 1<sup>st</sup> layer can be diluted by up to 3 % water 2<sup>nd</sup> and 3<sup>rd</sup> layer to be stirred-up before using

**PROCESSING:** O2DE can be applied by brush, roller or spraying system. (Airless appliance: nozzle 0,018-0,021 inch, filter to be cleaned regularly). Apply evenly, avoid joints. 3fold coating is necessary for crack-bridging coating. 2fold coating is necessary for sound substrates or for substrates with stress fractures and fine cracks up to 0,3 mm - waiting time between each process: 24 hours

**CLEANING OF TOOLS:** Immediately after work the tools should be cleaned carefully with water and active detergent substances.

**CAUTION:** Material must not be applied when it is raining heavily, when it is very windy, when the substrate is heated up – in case of one of the a.m. situations protect with plastic foil or equivalent.

### O2DE

Attention must be paid to the "allgemeine bauaufsichtliche Prüfzeugnis (abP)" (general constructional test certificate) with given details regarding processing, thickness of coating and amount of additives.

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](http://www.pagel.com).



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