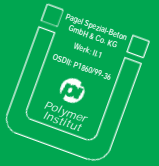




PAGEL®-CONCRETE-PROTECTION-COATING

ZTV-ING: OS-DII, DAfStb: OS-5a



PROPERTIES

- **crack-bridging coating system** (class I_T) for all **bridge-surfaces** without traffic (splash-zone) and other **concrete structures**
- prevents penetration of water and harmful substances (for example CO₂, SO₂) even at **low temperatures** (tested at temperatures down to -676 °F)
- **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 % (777.4°F) and 103 % (-777.4°F)
- **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-ING, 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

MS05 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_{US}



TECHNICAL DATA					
TYPE	MSO5 SCREEDING COMPOUND		O2DE SURFACE COATING		
material basis	cement (PCC)		dispersion		
rough density	lbs/ft ³ 122,36				
density			lbs/ft ³ 84,90		
solids			Vol. % 53		
layer thickness	min.	inch	0.06	inch	0.01
	max.	inch	0.24	inch	0.1
Verbrauch nach ZTV-ING pro m ² app. kg je Auftrag					
OS-DII	R _t =0,2 inch		2,0		0,34
	R _t =0,5 inch		2,0		0,37
	number of coatings		1		3
temperatures	substrate, surface, air				
	min.	°F	+ 169	°F	+ 270.4
	max.	°F	+ 1352	°F	+ 1352
moisture level	air	%	< 100	%	85
	surface	mat-damp		%	< 6
application time					
	676 °F	min.	45		no limit
mixing water					
each 25-kg-bag		l	3,75		
1. coating				+ %	3
2. u. 3. coating					undiluted
waiting period until next coating:					
substrate dry	> d		5	> h	24
insensitive against wetness					
	676 °F	> d	1	> h	4
adhesive strength on concrete surface (must 188.5 PSI)					
	PSI > 261				
adhesive strength on screeding compound-surface (must 116 PSI)					
T-min					PSI 188.5
colour	grey		RAL 7032 other on inquiry		
supplied in	25-kg-bag		17 kg(12,5 l)-can		
storage	dry, frost free in unopened sealed containers				
shelf-life	9 months		12 months		
hazard class	no dangerous goods				
All test data are values derived under normal climate conditions. 23/50-2					

PROCESSING

System structure:

1. MSO5 PAGEL-PCC-SCREEDING-COMPOUND
2. O2DE 1st coating
3. O2DE 2nd coating
3. O2DE 3rd 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 (676 °F) before applying O2DE to the fresh filler.

MIXING: O2DE is ready for use. Mix until homogenous before use. 1st layer can be diluted by up to 3 % water 2nd and 3rd 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 0.01 inch - 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.

The information provided in this leaflet, is supplied by our consulting service and is the end result of 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 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. This technical data sheet supercedes previously issued information. Please find the latest leaflet issues at www.pagel.com.



PAGEL-USA

4282 SHORELINE DRIVE · SPRING PARK
MINNESOTA 55384 · USA
OFFICE 001 952 942 6105 · FAX 001 952 942 6108
WWW.PAGEL-USA.COM · SALES@PAGEL-USA.COM