



## PAGEL®-PROTECTION-PAINT

ZTV-ING: OS-C, DAfStb: OS-4



### PROPERTIES

- **surface protection** for not open to traffic areas of **bridges** and **other concrete buildings** having new, old and repaired substrates
- can be applied as well to **matt-moist** as to **dry substrates**, penetrates pore-deep and remains capable of vapor diffusion
- **protects** against environmental influences, prevents carbonatizing, is resistant to weather and does not become yellow
- is **frost** and **dew-salt** resistant
- retards shrinking and **strengthens** the surface-near area
- can be either **injected** (airless) or **rolled**
- contains **acrylic dispersion** as binder, is watery, **free of solvents** and especially environmentally friendly
- particularly **economical** when having a **matt-moist substrate**, no **undercoat** is needed, processing-and scaffolding time are reduced by several days to approx. 36 hours (**saves wage costs**)
- **has been examined in accordance with ZTV-ING, TL/TP-OS (96), OS-C** and corresponds to the guidelines of DafStb, OS-4
- **is subject to our own constant controlling** in accordance with the recognized standards and guidelines – the production is certified in accordance with **ISO 9001**

### System structure:

1. MS05 PAGEL-PCC-SCREEDING-COMPOUND
2. O2C 1<sup>st</sup> coating
3. O2C 2<sup>nd</sup> coating

### FIELDS OF APPLICATION

- concrete and mortar surfaces – indoor and outdoor
- injection and spraying of bridges and tunnels
- coating of fine net cracks (< 0.0 inch)
- on fresh mortar- and concrete surfaces as curing agent – saves for example 5 days water holding covering

O2C<sup>U</sup>



TECHNICAL DATA					
TYPE	MSO5 SCREEDING-COMPOUND		O2C SURFACE COATING		
material basis	cement (PCC)		styrolacrylat		
rough density	lbs/ft <sup>3</sup> 122.36				
density	lbs/ft <sup>3</sup> 88.59				
solids	Vol. % 47				
layer thickness	min.	inch	0.06	inch	0.0
	max.	inch	0.24	inch	0.01
consumption by ZTV-ING per m <sup>2</sup> app. kg each coating					
OS-B	R <sub>t</sub> =0,2 inch	-		0,24	
	R <sub>t</sub> =0,5 inch	-		0,27	
	No. of coatings	-		2	
OS-C	R <sub>t</sub> =0,2 inch	2,0		0,26	
	R <sub>t</sub> =0,5 inch	2,0		0,29	
	No. of coatings	1		2	
temperatures substrate, surface, air					
	min.	°F	+ 169	°F	+ 270.4
	max.	°F	+ 1,352	°F	+ 1,352
moisture level					
	air	% < 100		% 85	
	surface	mat-damp	matdamp* or dry		
application time					
	676 °F	min.	45	no limit	
mixing water					
	each 25-kg-bag	l 3,75			
	1. coating			+	% 3
	2. coating			undiluted	
waiting periode until next coating:					
	substrate matdamp	> h	6	> h	24
	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) PSI app. 188.5					
T-min					
colour	grey		RAL 7032 others on inquiry		
supplied in	25-kg-bag		18 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

\* "fresh" screeding compound surfaces

## PROCESSING

### System structure:

1. MSO5 PAGEL-PCC-SCREEDING-COMPOUND
2. O2C 1<sup>st</sup> coating
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**SUBSTRATE OF SCREEDING-COMPOUND:** Rough and uneven concrete surfaces are levelled by using PAGEL-MSO5 PCC-SCREEDING-COMPOUND through either hand- or machine-coating. Follow the directions given in the data sheet for this product.

**MIXING:** O2C is ready for use. Mix until homogeneous. The 1<sup>st</sup> coating is to be diluted by up to 3 % water, the 2<sup>nd</sup> coating remains undiluted.

**PROCESSING:** O2C 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.

**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.

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



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