



# 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 **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 **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:

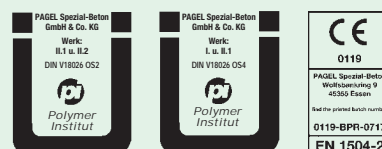
1. MS05 PAGEL-PCC-SCREEDING-COMPOUND
2. O2C 1<sup>st</sup> coating
3. O2C 2<sup>nd</sup> coating

<b>CE</b>	
Hersteller: PAGEL® Spezial-Beton GmbH & Co. KG Anschrift: Wolfsbankring 9 D-45355 Essen	
find the printed batch number	
EN 1504-2 SURFACE PROTECTION COATING	
Cross cutting:	≤ GT 2
CO <sub>2</sub> -permeability:	SD-value > 50 m
Water steam permeability:	Class I ≤ 5 m
Capillary water absorption and water permeability:	w ≤ 0,1 kg/m <sup>2</sup> x h <sup>0,5</sup>
Adhesion test for assessment of adhesive force (without working load):	≥ 0,8 N/mm <sup>2</sup>
Resistance to temperature changes:	≥ 0,8 N/mm <sup>2</sup>
Crack bridging ability:	A2 (-20°C)
Product fire behaviour:	E
Artificial weathering:	No obvious defects

## FIELDS OF APPLICATION

- concrete and mortar surfaces – indoor and outdoor
- injection and spraying of bridges and tunnels
- coating of fine net cracks (< 0,1 mm)
- on fresh mortar- and concrete surfaces as curing agent – saves for example 5 days water holding covering

O2C



TECHNICAL DATA				
TYP	MSO5 SCREEDING-COMPOUND		O2C SURFACE COATING	
material basis	cement (PCC)		styrolacrylat	
rough density	kg/dm <sup>3</sup> 1,96			
density			kg/dm <sup>3</sup> 1,419	
solids			Vol. % 47	
layer thickness	min.	mm 1,5	mm 0,12	
	max.	mm 6	mm 0,36	
consumption by ZTV-ING per m <sup>2</sup> app. kg each coating				
OS-B	R <sub>t</sub> =0,2 mm	–	0,24	
	R <sub>t</sub> =0,5 mm	–	0,27	
	No. of coating	–	2	
OS-C	R <sub>t</sub> =0,2 mm	2,0	0,26	
	R <sub>t</sub> =0,5 mm	2,0	0,29	
	No. of coating	1	2	
temperatures substrate, surface, air				
	min.	°C +5	°C +8	
	max.	°C +40	°C +40	
moisture level				
	air	% <100	% 85	
	surface	mat-damp	matdamp* or dry	
application time				
	20 °C	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 matt-damp	> h	6	> h	24
insensitive against wetness				
	20 °C	> d 1	> h	4
adhesive strength on concrete surface (must 1,3 N/mm <sup>2</sup> ) N/mm <sup>2</sup> > 1,8				
adhesive strength on screeding compound surface (must 0,8 N/mm <sup>2</sup> )				
T-min			N/mm <sup>2</sup> app.1,3	
colour	grey		RAL 7032 other on inquiry	
supplied in	25-kg-bag		18 kg(12,5 l)-can	
storage	dry, frost free in unopend sealed cotainers			
shelf-life	9 month		12month	
hazard class	no dangerous goods			
All test data are guide values, proofed in our German manufacturing plants, - values from other manufacturing plants may vary.				

\* "fresh" screeding compound surfaces

O2C: The EU-limit for the VOC-yield of this product (cat. A/C) will be in ready-to-use condition: 75 g/l (2007) / 40 g/l (2010). This product is having in ready-to use condition < 40 g/l VOC.

## PROCESSING

### System structure:

1. MSO5 PAGEL-PCC-SCREEDING-COMPOUND
2. O2C 1<sup>st</sup> coating
3. O2C 2<sup>nd</sup> coating

**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 homogenous. 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.

[www.superbeton.su](http://www.superbeton.su)  
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Die Angaben des Prospektes, die anwendungstechnische Beratung und sonstige Empfehlungen beruhen auf umfangreichen Forschungsarbeiten und Erfahrungen. Sie sind jedoch – auch in Bezug auf Schutzrechte Dritter – unverbindlich und befreien den Kunden nicht davon, die Produkte und Verfahren auf ihre Eignung für den Einatzweck selbst zu prüfen. Die angegebenen Prüfdaten wurden im Normalklima nach DIN 50014 ermittelt. Es handelt sich um Durchschnittswerte und -analysen. Abweichungen sind bei Anlieferung möglich. Abweichende Empfehlungen von diesem Prospekt bedürfen der schriftlichen Bestätigung. Planer und Verarbeiter sind gehalten, sich jeweils über den neuesten Stand der Technik und die jeweils gültige Ausgabe dieses Prospektes kundig zu machen. Unser Kundendienst hilft Ihnen jederzeit gerne, und wir freuen uns über das von Ihnen gezeigte Interesse. Mit dem Erscheinen dieser Ausgabe sind die vorausgegangenen Produktinformationen ungültig. Die jeweils aktuelle und gültige Fassung ist im Internet unter [www.paget.com](http://www.paget.com) abrufbar.



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