

PAGELASTIC

D1 PAGELASTIC

TEST CERTIFICATES AND SUPPORTING DOCUMENTS

- > Product acc. to DIN EN 1504-2
- > Factory production control acc. to DIN EN 1504-2; table ZA. 1a and DIN EN 13813
- Company certification acc. to DIN EN ISO 9001:2015

PROPERTIES

- > Meets the requirements for a surface protection system class OS-D I according to ZTV-ING Part 3 and class OS-5b acc. to the DAfStb directive
- > Bridges hair cracks near the surface and separating cracks < 0.2 mm, even at temperatures of -20 °C
- > Sufficiently firm, adhesive, non-ageing and impermeable to water for use as a sealant on buildings and to bridge cracks up to a maximum width of 0.2 mm.
- > Open to water vapour diffusion
- > Reduces the ingressing of CO2 (carbonation)
- > Can be applied, due to its consistency, with a paintbrush, brush or smoothing trowel or without any problems by using the wet spraying process with sheath flow spray nozzles.
- > Can be painted over for colour design with crack-bridging surface protection coating, e.g. O2DE

AREAS OF APPLICATION

- > Crack-bridging surface protection coating for concrete, mortar and masonry surfaces in areas not subject to vehicular traffic
- > Protection against the influence of deicing salts in areas affected by spraying and splashing
- > Bridge consoles and safety kerbs
- > Balconies, terraces, sealing under tiles



TECHNICAL DATA

ТҮРЕ		Dry mortar	Mixing liquid
		COMPONENT A	COMPONENT B
Shape		powder	liquid
Colour		grey	milky white
Packaging		20 kg (bag)	9 I (canister)
Basis		cement	polymeric dispersion
Mixing ratio	GT	1	0.45

			MIXTURE	
Fresh mortar raw o	approx. 1.70			
Colour			grey	
			similar to RAL 7032	
Water vapour diffe	stance m	< 4*		
CO ₂ -resistance		m	> 200*	
Adhesive pull strer) N/mm²	> 0.8		
Crack-bridging	+ 20 °C	mm	0.4**	
ability	– 20 °C	mm	0.2**	
Processing tempe	rature	°C	+8 to +30	
Processing time	+10 °C	min	180	
approx.	+20 °C	min	120	
	+30 °C	min	60	
Minimum layer thi	ckness	mm	2	
in 2 application steps				
Consumption according to ZTV-ING per m ² approx, kg per application				

OS-DI Rt=0,2 mm 2.5 Rt=0,5 mm 2.7 Number of appl. 2

* equivalent air layer thickness with a coating thickness of 2 mm pbw = parts by weight

** = maximum crack width

Delivery form:	Component A: 20 kg bag
-	Component B: 9 L canister
Storage:	Cool, dry, free from frost.
	Unopened in its original container.
Storage life:	Powder component: min. 12 months
Liquid component:	min. 18 months
Hazard class:	Non-hazardous material
	Observe safety data sheet
Giscode:	ZP2

The EU VOC content limit for these products (Cat. A/C) when ready for use is: 75 g/L (2007) / 45 g/L (2010). When ready for use, this product contains < 10 g/L VOC.

Information regarding the design, layer thickness, material consumption and additions as well as declarations of conformity can be found at www.pagel.com

PROCESSING

SUBSTRATE:

Clean carefully, remove adhesion hindering parts, blast or mill if necessary. Level deeper outbreaks with the **RM20** PCC-system.

Tear strength (concrete): $> 1,5 \text{ N/mm}^2$ Adhesive pull strength (screed): $> 1,3 \text{ N/mm}^2$

Prewet the substrate so that the absorbency is prevented and the surface is matt-damp to dry.

FILLING:

To fill any greater roughness depth, level concrete surfaces with **MS05** PCC screed. If grounds are free of voids, a compensation filling can be waived.

MIXING:

Fill component B into a clean container and add component A stirring thoroughly. Mix with a suitable agitator (400 rpm) until a homogeneous, lump-free and workable slurry is achieved, however at least for 5 minutes. Can be diluted with 1 to 2 % water depending on application.

APPLICATION:

Apply **D1** evenly with a brush or a smoothing trowel. To achieve an evenly textured surface, smooth with a soft brush. **D1** is perfect for spraying (e.g. Strobl pump with filling nozzle). Avoid concentration of material in corners and deepenings. Smooth surface at medium temperatures within 5 to 8 minutes. Observe the dew point temperature. The temperature of the substrate, the air and the material must be at least + 8 °C, max. +30 °C. Apply approx. 1.7 to 2.0 kg per m² per work step. Take care, that a layer thickness of 1 mm per work step is not undercut.

Waiting times (at 20 °C):

- Drying time: approx. 3 hours

Rainproof: after approx. 5 hours
Subsequent application D1: after approx. 5 hours
Application O2DE: after approx. 24 hours
High air humidity and low temperatures extend the waiting times.

FOLLOW-UP TREATMENT:

D1 hardens in normal weather conditions free from cracks and bubbles. With strong insolation or air flow, D1 has to be protected from an early drying (e.g. covering with foil). If D1 is painted over for colour design with O2DE surface protection, a double coat of O2DE should be applied for light colours.

The information provided in this leaflet, application instructions and other recommendations are based on extensive research and experience. They are, however, not binding, in particular with regard to third party proprietary rights, and do not relieve the customer of his responsibility to verify that the products and processes are suitable for the intended application. The indicated test data are mean values and average analyses. Deviations are possible when delivery takes place. Recommendations that differ from this leaflet equire written confirmation. Planners and operators are reponsible when delivery takes place. Recommendations that differ from this leaflet equire written confirmation. Planners and operators are reponsible when this leaflet is the latest edition and for obtaining information on the latest technological developments. Our customer service staff will be happy to answer your questions at any time. Many thanks for your interest in our products. This technical data sheet supersedes all previously issued product info@pagel.com info@pagel.c