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 CO_2 (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

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

			MIXTURE
Fresh mortar raw density		kg/dm³	approx. 1.70
Colour			grey similar to RAL 7032
Water vapour diffusion resistance		m	< 4*
CO_2 resistance		m	> 200*
Adhesive pull strength (28 d)		N/mm²	> 0,8
Crack-bridging ability	+ 20 °C	mm	0,4**
	– 20 °C	mm	0,2**
Processing temperature		°C	+8 bis +30
Processing time approx.	+10 °C	min	180
	+20 °C	min	120
	+30 °C	min	60
Minimum layer thickness in 2 application steps		mm	2
Consumption according to ZTV-ING per m2 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 N/mm$_2$
Adhesive pull strength (screed): > 1.3 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 m$_2$ 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 those provided in this leaflet require written confirmation. Planners and operators are responsible for ensuring that 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 information. Please visit our website for the latest valid version of this brochure at www.pagel.com.

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