

P1 PAGEL®- INDUSTRIAL FLOORING

PROPERTIES

- **granulithic sprinkle finish**, consisting of a ferrous granulate containing silica
hard substance group M (DIN 1100)
stress group: heavy (DIN 18560, part 7)
- **iron like armoured surface layer**: 3 – 5 mm
- guarantees a **long service life**, is eight times more durable than a standard concrete floor taking material elasticity into account
- **high abrasion resistance**
- **economical** as a result of its high durability
- **impact-resistant** and **withstands heavy point loads** (P1 deforms under compression loads, reacting in a manner similar to iron)
- **problem-free** and time-saving processing
- **does not rust**, does not produce dust, is resistant to corrosion
- **resistant to oil** and provides a non-slip surface
- **easy to clean**, dirt and grime cannot penetrate its surface
- **monitored** in accordance with standards and directives currently in force, production is certified in accordance with **ISO 9001**
- P1 may also be supplied as a ready-to-use floor:
P2Fe PAGEL-INDUSTRIAL FLOORING
(regard production leaflet)

FIELDS OF APPLICATION

- industrial floors such as those in steel mills and rolling mills
- warehouses and factory halls
- aisles, conveyor areas
- ramps
- airplane hangars, garages, workshops



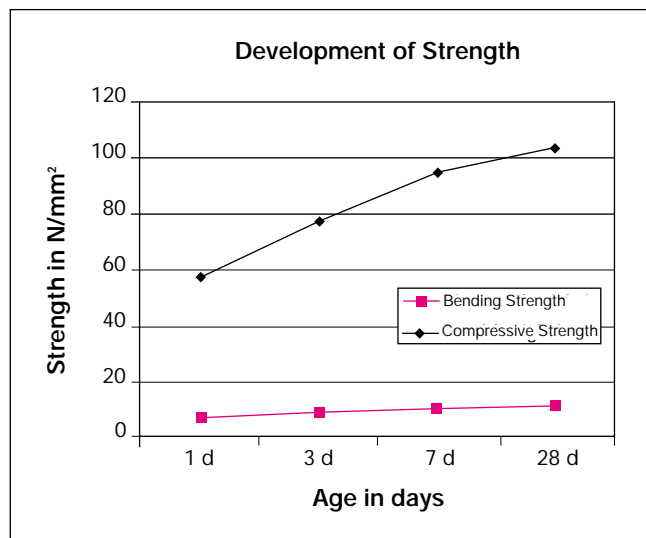
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INDUSTRIAL FLOORING

TYPE	P1		
Granulation	mm	0-3	
Consumption with 3 mm layer thickness	kg/m ²	5-6	
Abrasion (Böhme) on 50 cm ²	cm ³	1,5	
Hard substance group (DIN 1100)	M		
Compressive Strength	1 d	N/mm ²	58
	3 d	N/mm ²	77
	7 d	N/mm ²	93
	28 d	N/mm ²	102
Bending Strength	1 d	N/mm ²	6
	3 d	N/mm ²	9
	7 d	N/mm ²	10
	28 d	N/mm ²	11

Supplied in: 25-kg-bags
Storage: dry, frost-free
Shelf-life: 12 months in sealed bags
Hazard class: no dangerous substances
observe safety data sheet

All the specified test data were measured at 20 °C, the strengths were determined with a CEM I 42.5 R on prisms (4x4x16 cm).



PROCESSING

SUBSTRATE: The prerequisite for the proper processing of P1 is the correct initial consistency of the concrete. It is recommended that the supplied concrete for the transition layer in accordance with DIN 18560 T7 paragraph 3.3.3 be delivered stiff and the necessary consistency be adjusted at the building site. The surface is to be matt-moist and not yet solid and there must not be any sinking-in.

MIXING: 3 parts of P1 and 1 part cement are to be slightly dampened with water and pre-mixed in a forced circulation mixer. The same cement is to be used as in the transition layer.

PROCESSING: The whole quantity is applied in one to two processes. P1 /cement mixture is uniformly sprinkled and allowed to set and then rubbed in by hand or with a plate smoothing machine.

Subsequently the surface is to be smoothed with a smoothing trowel or a power floating machine.

CAUTION: Exposed surfaces are to be protected against wind, draughts and premature water evaporation, e.g. with film, O1 PAGEL-SURFACE-PROTECTION or EH 136 PAGEL-RESIN.

Information provided in this leaflet, supplied by our applications consulting service and contained in other recommendations is based on exhaustive research work and extensive experience. It is, however, without liability on our part, in particular with regard to third parties proprietary rights, and does not relieve the user of the responsibility for verifying that the products and processes are suitable for the intended application. The given testing dates were found out when having a temperature of 20 °C and mean average values and analysis. Deviations are possible when delivery takes place. 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.



PAGEL®

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