

P2Fe

PAGEL®-INDUSTRIAL FLOOR

PROPERTIES

- **ready-for-use industrial floor** for particularly high stresses - cement based
hard substance groupe M (DIN 1100)
Stress group: heavy (DIN 18560, part 7)
- contains **metal aggregates** (FeSi)
- **good adhesion** on supporting substrate
- **impact-resistant** as a result of iron-armoured surface
- **high abrasion resistance**
- **impermeable to water** and resistant to oil
- **anti-skid**
- has a **higher stability** than hard rock
- can also be used in **areas of heat**
- has proven particularly successful with **point loadings** – the iron granulate gives the floor an inner serration and favourable strength behaviour with multi-axial stress
- also proves **reliable** when overloading would under normal circumstances result in material failure
- **easy-to-use** and economical
- **easy-to-clean** – dirt stays on the surface
- **monitored** in accordance with standards and directives currently in force, production certified in accordance with **ISO 9001**

FIELDS OF APPLICATION

- **industrial floors** with high abrasion resistance in for example steelworks and rolling mills
- **sintering channels, ramps**
- **truck-weighing machines**
- **storehouses, factories**
- roller beds, roller conveyors
- working and belt conveyor flights
- **aircraft hangars, garages and workshops**
- **multi-storey car-parks**



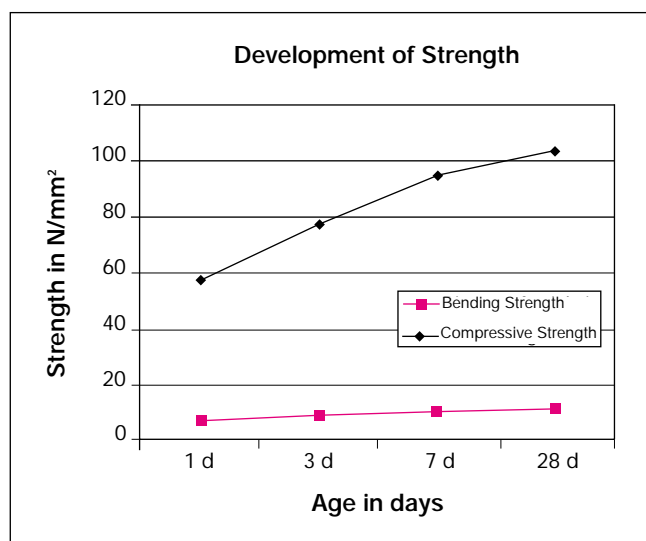
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TECHNICAL DATA

TYPE	P2Fe	
Size	mm	0-3
Quantity of water	%	10-12
Handling time	Min.	40
Consumption with 10 mm layer thickness	kg/m ²	26
Abrasion (Böhme) on 50 cm ²	cm ³	2.4
Hardsubstance Group (DIN 1100)		M
Compressive strength	1 d	N/mm ² 59
	3 d	N/mm ² 75
	7 d	N/mm ² 100
	28 d	N/mm ² 122
Bending strength	1 d	N/mm ² 6
	3 d	N/mm ² 8
	7 d	N/mm ² 10
	28 d	N/mm ² 11
Adhesive strength	28 d	N/mm ² > 2,0
Density of dry mortar	28 d	kg/dm ³ 3.076
Density of freshly mixed mortar		kg/dm ³ 3.140

Shelf-life: 9 months, in dry and closed bags
Packaging 25-kg-bag
GISCODE: ZP1
Hazard class: no dangerous goods, please watch the material safety sheet

All named testing dates where found out when having a temperature of 20 °C.



PROCESSING

SUBSTRATE: Clean thoroughly. Remove loose and adhesion-restricting parts and cement slurry by high-pressure water jets or other equipment down to the load-bearing grain structure. Approx. 6 hours before grouting pre-wet to saturation.

ADHESION LAYER: Stir MSO2 PAGEL-ADHESION-LAYER with the specified maximum quantity of water as slurry and brush deep into the pores of the damp substrate or apply an EH1 PAGEL-EPOXY-RESIN-ADHESION-LAYER to dry substrate.

MIXING: The mortar is ready-for-use and only has to be mixed with water. Apart from a residual quantity, pour water into the forced-circulation mixer, add dry mortar and mix for approx. 3 minutes. Add the rest of the water and mix for a further 2 minutes.

PROCESSING: Apply wet-on-wet to the not yet set adhesion layer easily and without problems with the usual tools. Subsequently the surface is 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 or O1 PAGEL-SURFACE-PROTECTION.

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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