

P3A PAGEL®-STEEL-FIBRE FLOOR

PROPERTIES

- **steel-reinforced industrial floor** for particularly high stresses - cement based hard substance group **A** (DIN 1100) stress group: heavy (DIN 18560, part 7)
- contains **steel fibres** (25 × 0.4 mm), can also be supplied with fine steel fibres
- **good adhesion** on supporting substrate
- develops **very high strengths** – in particular the binding strengths and shear strengths guarantee an almost indestructible floor with the highest resistance against recognisable loads
- **impermeable to water** and resistant to oil
- **also proves reliable** when overloading would under normal circumstances result in material rupture
- **easy-to-use** and economical
- **improves** heat conductivity
- P3A can also be supplied as **PCC-floor** or with **basalt aggregates**
- **monitored** in accordance with standards and directives currently in force, production certified in accordance with **ISO 9001**
- is supplemented by the following products:
 - P3A/15 PAGEL-STAHLFASER-BASALTBODEN
 - P3A/PCC PAGEL-STAHLFASER-BODEN

FIELDS OF APPLICATION

- **industrial floors** with high stresses
- **ramps**
- **storehouses**, factories
- **roller beds**, roller conveyors, transport routes
- **working and belt conveyor flights**
- **tank halls**, garages and workshops



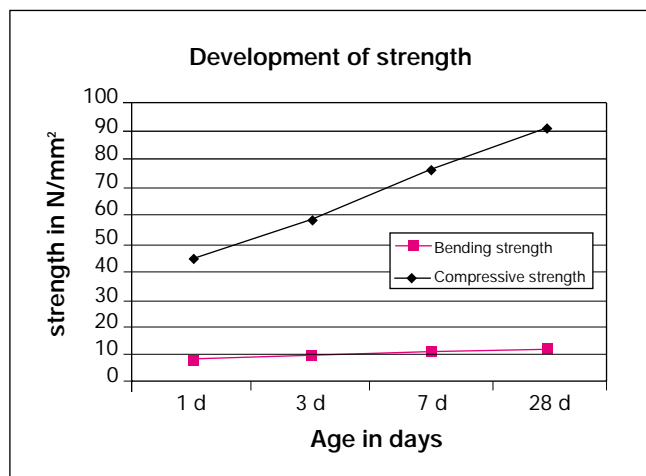
P3A PAGEL®-STEEL-FIBRE FLOOR

TECHNICAL DATA

TYPE		P3A	P3A/15
Granulation	mm	0-8	0-5
Layer thickness	mm	20-80	20-80
Quantity of water	%	10-12	10-12
processing time	Min.	40	40
Consumption with 10 mm layer thickness	kg/m ²	22	25
Abrasion (Böhme) on 50 cm²	cm ³	3,1	3,0
Compressive strength	1 d N/mm ²	50	50
	3 d N/mm ²	58	56
	7 d N/mm ²	82	87
	28 d N/mm ²	94	103
Bending strength	1 d N/mm ²	6	8
	3 d N/mm ²	7	10
	7 d N/mm ²	11	11
	28 d N/mm ²	8	13
Adhesive strength	28 d N/mm ²	> 2.0	> 2.0

Shelf-life: 9 month, in dry and closed bags
Packaging 25-kg-bag
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 from the supporting floor any cement slurries, dust, loose parts, oil, fats and other contamination, e.g. by milling, shot blasting or high-pressure water blasting. The supporting concrete surface must be clean, firm and have a good feel. For industrial floors the supporting concrete – minimum quality B25 – must be in accordance with DIN 1045. Surface strength is to be a minimum of 1.5 N/mm². Wet the substrate on the day before laying. The pre-wetted supporting concrete must have its surface dried-off matt-moist – no pools may be at all allowed to form.

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, O1 PAGEL-SURFACE-PROTECTION or EH 136 PAGEL-RESIN.

The information provided in this leaflet, is supplied by our consulting service and is the end result of exhaustive research work and extensive experience. They are, however, without liability on our part, in particular with regard to third parties proprietary rights, and do not relieve the user of the responsibility for verifying that the products and processes are suitable for the intended application. The data presented was derived from tests under normal climate conditions according to DIN 50014 and mean average values and analysis. Deviations are possible when delivery takes place. Given that recommendations may differ from those shown in this leaflet written confirmation should be sought. It is the responsibility of the purchaser to ensure they have the latest leaflet issue and that its contents are current. 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. Please find the latest leaflet issues at www.pagel.com.



PAGEL®

SPEZIAL-BETON GMBH & CO. KG

WOLFSBANKRING 9 · D-45355 ESSEN

TEL. +49 (0)201-68504-0 · FAX +49 (0)201-68504-31

INTERNET: WWW.PAGEL.COM · E-MAIL: INFO@PAGEL.COM

P3A

P3A/15