PAGEL®

PAGEL®-STEEL-FIBRE FLOOR

P 3 A

P 3 A/15

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**, 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
- P 3 A 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:

P 3 A	PAGEL-STEEL-FIBRE FLOOR
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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

Assigning to expositioncategory according to:
DIN 1045-2 / EN 206-1:
PAGEL – STEEL-FIBRE FLOOR

	XO	XC	XD	XS	XF	XA	XM
	0	1 2 3 4	1 2 3	1 2 3	1 2 3 4	1 2 3	1 2 3
P 3 A	•	• • • •	• • •	• • •	• • • •	• •	• •
P 3 A/15	•	• • • •	• • •	• • •	• • • •	• •	• •

CE
PAGEL Spezial-Beton
Wolfsbankring 9
45356 Essen
find the printed batch number
CT C80 F10 A9
screeds/cast-in, screed masses and screeds
EN 13813

PAGEL®-STEEL-FIBRE FLOOR

P 3 A

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TECHNICAL DATA

TYPE			P 3 A*	P 3 A/15**
Granulation		mm	0–8	0–5
Layer thickness		mm	20–80	20–80
Quantity of water		%	10–12	10–12
Processing time		min.	app. 40	app. 40
Consumption with 10 mm layer thickness		kg/dm³	22	25
Compressive strenth	1 d	N/mm²	≥ 45	≥ 50
	7 d	N/mm²	≥ 70	≥ 75
	28 d	N/mm²	≥ 80	≥ 85
Bending strenth	1 d	N/mm²	–	≥ 6
	7 d	N/mm²	–	≥ 9
	28 d	N/mm²	–	≥ 11
Adhesive strenth	28 d	N/mm²	≥ 2.0	≥ 2.0

All test data are guide values, proofed in our German manufacturing plants, - values from other manufacturing plants may vary.

* DIN EN 12390-3-compliant compressive strength testing
** DIN EN 196-1-compliant compressive strength testing

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

CE Mark and EC conformity
according to EN 934-4:2001/A1:2004
Reg.-No.: 0921-BPR-2010
EN 934-4 compliant grout additive

CE

PAGEL® Spezial-Beton GmbH & Co. KG
D-45355 Essen

find the printed batch number

P 3 A **EN 13813 CT C80 F10 A9**
P 3 A/15 **EN 13813 CT C80 F10**

P 3 A u. P 3 A/15 PAGEL®-STEEL-FIBRE FLOOR
CEMENT SCREED

	P 3 A	P 3 A/15
Fire behaviour	$A1_{fl}$	$A1_{fl}$
Compressive strength	C80	C80
Bending tensile strength	F10	F10
Release of corrosive substances	CT	CT
Water permeability	NPD	NPD
Water vapour permeability	NPD	NPD
Abrasion resistance	A9	NPD
Sound insulation	NPD	NPD
Sound absorption	NPD	NPD
Thermal insulation	NPD	NPD
Resistance to chemicals	NPD	NPD

NPD: „No Performance Determined"

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 MS 02 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 EH 1 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, O 1 PAGEL-SURFACE-PROTECTION or EH 136 PAGEL-RESIN.

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