

PAGEL®-FLEX ADHESIVE

PROPERTIES

- **Synthetic resin enhanced** Flex adhesive on cement basis
- applicable for interior and exterior areas
- provides an **excellent adhesive quality** on weight bearing subsurfaces
- **easy to work with** and also well suited for overhead workings
- Industry proven time and again
- **permeable**, sealing, adheres to suitable sub surfaces
- **ready to use**, just mix with water, remains pliable and easy to handle for an extended time
- is especially suitable as tile adhesive. For small mosaic stones, R 34 PAGEL-FLEX ADHESIVE can also be supplied with white cement
- meets all requirements according to

DIN EN 12002 mortar and adhesives for tiles and panels (analysis of deformation)

DIN EN 12004 mortar and adhesives for tiles and panels (minimum requirements)

DIN EN 1348 mortar and adhesives for tiles and panels (analysis adhesive tensile strength)

DIN EN 1346 mortar and adhesives for tiles and panels (analysis of open time)

DIN EN 1308 mortar and adhesives for tiles and panels (analysis of slipping)

Guideline for flex mortar

Definition for fields of application according to the German construction chemistry

- controlled according to current standards and guidelines and the production is ISO 9001 certified
- is supplemented with the following products:
R 34 white

AREAS OF APPLICATION

- **Thin layer tiling** of ceramic wall- and floor tiles for interior and exterior areas
- Gluing of **insulation- and sound absorbing panels**
- **Insulation and protection coating**
- Laying of **natural stone, marble and building boards** (only with R 34 white)

R 34

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TECHNICAL DATA

TYP			R 34
Layer thickness	mm		1-3
Water content	%		20-25
Processing time	Min.	app.	45
Consumption	kg/m ²		2
Colour			grey
Adhesive tensile strength according to DIN EN 1348			
Dry storage*	28 d	N/mm ²	2.0
Water storage*	28 d	N/mm ²	1.4
Warm storage*	28 d	N/mm ²	2.0
Frost – dew change storage*	28 d	N/mm ²	1.2

*Nominal Value 0.5 N/mm²

Analysis of open time DIN EN 1346

Tiling of stone ware tiles

10 min. **A.T.S.	28 d*	N/mm ²	1.8
20 min. **A.T.S.	28 d*	N/mm ²	1.3
30 min. **A.T.S.	28 d*	N/mm ²	1.0

*Nominal Value 0.5 N/mm² **A.T.S. = Adhesive tensile strength

Analysis of slipping according to DIN EN 1308

Slipping measurement*	mm	0
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*Nominal Value 0.5 N/mm²

Deformation according to DIN EN 12002

Strength	28 d	N	13
Deflection	28 d	mm	2.2

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

Storage:	9 month in a dry and closed container
Delivery format:	25-kg-bag
Hazard class:	No hazardous good, Observe safety data sheet

Necessary perforation of the notched trowel for fine ceramic tiles:

without rear side profile		with rear side profile	
Tile size	Perforation	Tile size	Perforation
Small and medium mosaic	mm 3	Small and medium mosaic	–
up to 10 × 10 cm	mm 4	up to 10 × 10 cm	mm 6
up to 20 × 20 cm	mm 6	up to 20 × 20 cm	mm 8
> 20 × 20 cm	mm 8	> 20 × 20 cm	mm 8

PROCESSING

SUBSURFACE: The subsurface must be solid, clean and weight bearing; oil spots and debris must be removed. Pre-moistening or priming is usually not necessary. Subsurface unevenness on walls can be evened out with MS O5 PAGEL-SPACKLE or MS 20 PAGEL-REPAIR MORTAR. Highly absorbent sub surfaces or aerated concrete blocks must be prepared with wash primer.

MIXING: The mortar is ready to use and must only be mixed with water. Fill water in a clean container, add R 34 and mix to a pliable, smooth mortar with a slow moving drill (max. 400 Rpm) and a paddle mixer.

PROCESSING: Apply R 34 with a notched trowel to the subsurface. Only mix enough material as can be processed within 30 min. Apply and press on tiles with a slightly sliding movement into the adhesive area. The seams can be filled after 24 hours with commercial seam mortars.

OBSERVE: Tiling of natural stone, marble and structural panels only with R 34 white.

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