

ELASTIC ADHESIVE

R34 ELASTIC ADHESIVE

TEST CERTIFICATES AND SUPPORTING DOCUMENTS

- › Product acc. to:
 - DIN EN 12002 "Adhesives for tiles - Determination of transverse deformation for cementitious adhesives and grouts"
 - DIN EN 12004 "Adhesives for tiles - Requirements, evaluation of conformity, classification and designation"
 - DIN EN 1348 "Adhesives for tiles - Determination of tensile adhesion strength for cementitious adhesives"
 - DIN EN 1346 "Adhesives for tiles - Determination of open time"
 - DIN EN 1308 "Adhesives for tiles - Determination of slip"
 - "Guideline for flexible mortars Deutsche Bauchemie - Definition of application areas"
- › Company certification acc. to DIN EN ISO 9001:2015

PROPERTIES

- › Polymer-modified cement-based elastic adhesive
- › Suitable for both, indoor and outdoor use
- › Perfectly bonds to load-bearing substrates
- › Easy to apply and suitable for overhead application
- › Proven industry track record
- › Breathable, sealing, bonds perfectly to suitable substrates
- › Ready to use, only requires mixing with water, maintains workable consistency for a long time
- › Especially suitable as tile adhesive. For small mosaic stones **R34 ELASTIC ADHESIVE** can also be supplied with white cement

AREAS OF APPLICATION

- › Indoor and outdoor ceramic wall and floor tile thin-bed laying
- › Bonding insulation and sound insulation panels
- › Insulating and protective coating

TECHNICAL DATA

TYPE		R34	
Layer thickness	mm	1-3	
Amount of water	%	20	
Processing time approx.	min	45	
Consumption approx.	kg/(m ² · mm)	2.0	
Colour		grey	
Adhesive pull strength acc. to DIN EN 1348			
Dry storage*	28 d	N/mm ²	2.0
Storage in water*	28 d	N/mm ²	1.4
Hot storage*	28 d	N/mm ²	2.0
Frost-thaw cycle storage*	28 d	N/mm ²	1.2
*Requirement 0.5 N/mm ²			
Determination of open time DIN EN 1346			
Laying earthenware tiles			
10 min adhesive pull	28 d*	N/mm ²	1.8
20 min adhesive pull	28 d*	N/mm ²	1.3
30 min adhesive pull	28 d*	N/mm ²	1.0
*Requirement 0.5 mm ²			
Determination of slip acc. to DIN EN 1308			
Slippage*		mm	0
*Requirement 0.5 mm			
Deformation acc. to DIN EN 12002			
Force	28 d	N	13
Deflection	28 d	mm	2.2

Storage: 12 months. Cool, dry, free from frost. Unopened in its original container.

Delivery form: 25-kg bag, Euro pallet 1,000 kg

Hazard class: Non-hazardous material, observe information on packaging.

GISCODE: ZP1

Number of notches required on the notched trowel for fine ceramic tiles:

Without reverse side profile	
Tile size	Notches
small and medium-sized mosaic tile	3 mm
up to 10 x 10 cm	4 mm
up to 20 x 20 cm	6 mm
>20 x 20 cm	8 mm

With reverse side profile	
Tile size	Notches
small and medium-sized mosaic tile	
up to 10 x 10 cm	6 mm
up to 20 x 20 cm	8 mm
>20 x 20 cm	8 mm

PROCESSING

SUBSTRATE PREPARATION:

The substrate has to be firm, clean, load-bearing and free from spilled oil and impurities. It is not generally necessary to prewet or prime the substrate.

Uneven wall areas can be levelled using **MS05 SCREED** or **RM20 REPAIR MORTAR**.

Highly absorbent substrates and breeze blocks should be treated with a primer before application.

MIXING:

The mortar is supplied ready to use and only needs to be mixed with water. To mix, pour water into a clean vessel, add **R34** and mix until it has formed a smooth elastic mortar that is free from lumps using a low speed drill (max. 400 rpm) with an agitator attachment.

Temperature range: + 5 °C to + 30 °C

Mixing water: Drinking water quality

APPLICATION:

Distribute **R34** on the substrate with a notched trowel. Only mix as much material as you can lay within 45 min.

Place the tiles onto the adhesive bed in a sliding motion and press down.

The joints can be filled after 24 h with conventional joint mortars.