

Injection mortar UPM11

Cost-effective injection mortar for simple fixings. Without approval. Suitable for concrete and masonry.

Long Description

The affordable injection mortar for simple fastenings. Suitable for concrete, solid and perforated building materials. For medium loads. Selectable product features Cartridge size 360/300 ml. Additional system components Anchor rods (UPM-A/ASTA) or internal thread anchors (UPM-I/IST). Used in pre-insertion or push-through installation. Features inexpensive anchoring, fastening close to edges and flexible working. Used, for example, for fastening light strips, monitor brackets and handrails.

Characteristics

- Suitable for: Concrete, masonry, hammer drilling
- Load range in masonry: Tension load 0.6-1.7kN, shear load 0.6-1.7kN
- System component: Anchor rod ASTA/UPM-A, internal threaded anchor IST/UPM-I, perforated sleeve UPM-SH
- Temperature in anchoring base: 0°C to 40°C
- Accessories: Metal dispenser gun UPM MR or professional dispenser gun UPM DM P, Blow-out pump UPM AB, Cleaning brush UP BS

Applications

- Lighting strips
- Screen brackets
- Handrails
- Garden gates
- Speakers

Advantages

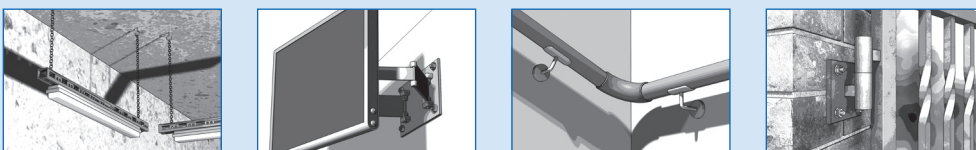
- Cost-effective anchoring: The cost-effective mortar for non-approval-relevant fastening
- Fastening close to edges: The expansion pressure-free fastening allows for small edge and centre distances and prevents installation damage in the edge area
- Flexible working: By changing the static mixer, opened cartridges can be reused

Materials

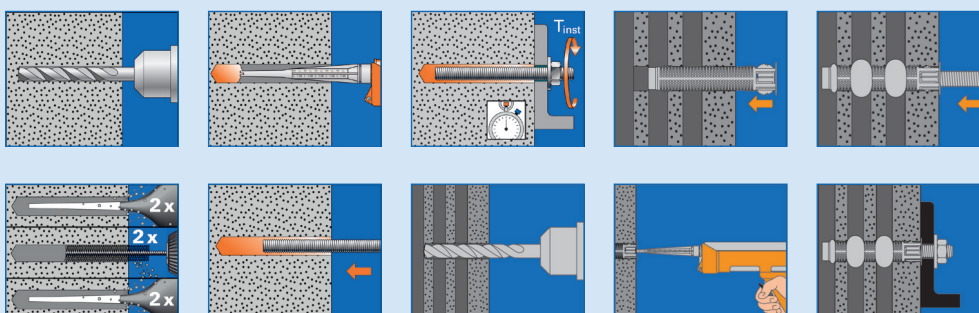
- Concrete
- Perforated bricks
- Hollow blocks
- Calcium silicate perforated bricks
- Calcium silicate solid bricks
- Aerated concrete
- Solid lightweight concrete blocks
- Solid bricks



Application examples



Assembly



Straight to the product



upat.com/en-upm11

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Product variants

Product	Art.No.	Shelf life [months]	Availability in countries	Content
UPM 11-300	093834	12	DE, EN, CS, SV, DA, SK	1 x cartridge 300 ml, 2 x static mixers
UPM 11-300	578141	12	ES, PT, IT	1 x cartridge 300 ml, 2 x static mixers
UPM 11-360	000640	15	DE, EN, CS, SV, DA, SK	1 x cartridge 360 ml, 2 x static mixers
UPM 11-410	578142	15	ES, PT, IT	1 x cartridge 410 ml, 2 x static mixers

Load table

Recommended loads^{1) 2)} for a single anchor in masonry for pre-positioned installation.

Type	Compressive brick strength f_b [N/mm ²]	Drill hole diameter d_0 [mm]	Minimum drill hole depth h_0 min [mm]	Effective anchorage depth h_{ef} [mm]	Content UPM 11 [scale units]	Maximum installation torque $T_{inst,max}$ [Nm]	Recommended load F_{rec} [kN]	Minimum spacing $s_{min} \parallel / s_{min} \perp$ [mm]	Minimum edge distance $c_{cr} = c_{min}$ [mm]
Solid brick Mz									
M6	≥ 12	8	80	75	3	4	13)	240 / 75	100
M8	≥ 12	10	80	75	3	4	13)	240 / 75	100
M10	≥ 12	12	80	75	4	4	1.7	240 / 75	100
M12	≥ 12	14	80	75	5	4	1.7	240 / 75	100
Solid sand-lime brick KS									
M6	≥ 12	8	80	75	3	4	13)	80 / 300	60
M8	≥ 12	10	80	75	3	4	13)	80 / 300	60
M10	≥ 12	12	80	75	4	4	1.7	80 / 300	60
M12	≥ 12	14	80	75	5	4	1.7	80 / 300	60
Perforated sand-lime brick KSL									
M6 mit UPM-SH 12x50 K	≥ 12	12	55	50	5	4	0.8	100 / 115	60
M8 mit UPM-SH 12x85 K	≥ 12	12	90	85	10	4	0.8	100 / 115	60
M8 mit UPM-SH 16x130 K	≥ 12	16	135	130	15	4	0.8	100 / 115	80
M10 mit UPM-SH 16x85 K	≥ 12	16	90	85	12	4	0.8	100 / 115	80
M12 mit UPM-SH 20x85 K	≥ 12	20	90	85	15	4	0.8	100 / 115	80
Vertically perforated brick Hlz									
M6 mit UPM-SH 12x50 K	≥ 12	12	55	50	5	4	0.8	240 / 115	100
M8 mit UPM-SH 12x85 K	≥ 12	12	90	85	10	4	0.8	240 / 115	100
M8 mit UPM-SH 16x130 K	≥ 12	16	135	130	15	4	0.8	240 / 115	100
M10 mit UPM-SH 16x85 K	≥ 12	16	90	85	12	4	0.8	240 / 115	100
M12 mit UPM-SH 20x85 K	≥ 12	20	90	85	15	4	0.8	240 / 115	100
Lightweight concrete hollow block Hbl									
M6 mit UPM-SH 12x50 K	≥ 4	12	55	50	5	4	0.6	250 / 250	100
M8 mit UPM-SH 12x85 K	≥ 4	12	90	85	10	4	0.6	250 / 250	100
M8 mit UPM-SH 16x130 K	≥ 4	16	135	130	15	4	0.6	250 / 250	100
M10 mit UPM-SH 16x85 K	≥ 4	16	90	85	12	4	0.6	250 / 250	100
M12 mit UPM-SH 20x85 K	≥ 4	20	90	85	15	4	0.6	250 / 250	100
Concrete hollow block Hbn									
M6 mit UPM-SH 12x50 K	≥ 4	12	55	50	5	4	0.6	250 / 250	100
M8 mit UPM-SH 12x85 K	≥ 4	12	90	85	10	4	0.6	250 / 250	100
M8 mit UPM-SH 16x130 K	≥ 4	16	135	130	15	4	0.6	250 / 250	100
M10 mit UPM-SH 16x85 K	≥ 4	16	90	85	12	4	0.6	250 / 250	100
M12 mit UPM-SH 20x85 K	≥ 4	20	90	85	15	4	0.6	250 / 250	100

¹⁾ The application conditions of the manufacturer must be taken into account. In perforated and hollow bricks, use the ASTA/UPM-A anchor rod in combination with the UPM-SH sieve sleeve.

²⁾ Recommended anchor load capacities for tensile load, transverse load, and oblique tensile load at any angle without considering the influence of axial and edge distances.

³⁾ For masonry with superimposed load, the recommended load can be increased to 1.4 kN.