

Mortar finder

The right mortar for every need¹⁾

		UPM 66	UPM 55	UPM 44	UPM 33	UPM 33 Express	UPM 11	UKA3 PLUS
Application	Concrete	■	■	■	■	■	□	■
	Masonry			■	■	■	□	
	Reinforcement anchoring		■	■				
	Seismic		■	■				
	Fire test		■	■	■	■		■
	Hammer drilling	■	■	■	■	■	□	■
	Diamond drilling		■					
	Hollow drilling	■	■	■	□	□		■
	Without hole cleaning							■
	Water-filled drill hole		■	■	□	□		■
	Underwater		□					
System component	Bonded anchor UHB	■						
	Anchor rod ASTA		■	■	■	■	□	■
	Anchor rod UPM-A		■	■	■	■	□	
	Internal thread anchor IST		■	■	■	■	□	■
	Internal thread anchor UPM-I		□	■	■	■	□	
	Perforated sleeve UPM-SH			■	■	■	□	
	Standard threaded rods ²⁾		■	■	■	■	□	
Load ranges [kN] ³⁾	Concrete tensile load	6,6-43,5	5-150,1	3,9-150,1	3,4-150,1	3,4-150,1		3,9-61
	Concrete shear load	7,8-80,6	5,1-90,2	6-90,2	2,9-90,2	2,9-90,2		5,1-56,8
	Masonry tensile load			0,34-3,43	0,54-3,43	0,54-3,43	0,6-1,7	
	Masonry shear load			0,26-3,28	0,43-3,29	0,43-3,29	0,6-1,7	
Shelf life up to [Month]	Cartridge-Pro (360/390ml)	24	36	24	24	15	15	
	Cartridge-Standard) (300ml)			12	12	12	12	
	Cartridge-Compact (150ml)			12	12			
	Glass resin capsule							36
Base material temperature and curing time t _{cure} [Minutes] ^{3) 4)}	-15°C to -10°C					720		1800
	-10°C to -5°C					480		960
	-5°C to 0°C	360		1440	1440	180		600
	0°C to +5°C	180		180	180	180	360	45
	+5°C to +10°C	90	2400	90	90	50	180	30
	+10°C to +20°C	90	1080	60	60	30	120	20
	+20°C to +30°C	35	600	45	45		60	5
	+30°C to +40°C	20	300	35	35		30	3
Mortar temperature and working time t _{work} [Minutes]	> +40°C	12						
	-5°C to 0°C					5		
	0°C to +5°C			13	13	5		
	+5°C to +10°C	15	120	9	9	3	15	
	+10°C to +20°C	15	30	5	5	1	8	
	+20°C to +30°C	6	14	4	4		5	
	+30°C to +40°C	4	7	2	2		3	
	> +40°C	2						

¹⁾ The details of the entire European Technical Assessment must be observed and checked with respect to the specific application.

²⁾ Standard threaded rods with 3.1 test certificate and material compliant with ETA.

³⁾ See respective load table for details.

⁴⁾ In wet concrete or water-filled drill holes, the curing times must be doubled. Drill hole cleaning must be carried out in accordance with the ETA.

⁵⁾ The temperature of the concrete must not fall below the specified minimum value for the mortar during curing.
Minimum cartridge temperature: +5 °C. Minimum glass resin capsule temperature (UKA3 Plus): -15 °C.

Legend:

■ — Building authority approved
□ — Suitable