

Mortar finder

The right mortar for every requirement ¹⁾

		UPM 55	UPM 44	UPM 33	UPM 33 Express	UPM 22	UPM 11	UKA3 PLUS
Application	Concrete	■	■	■	■	■	□	■
	Masonry		■	■	■		□	
	Reinforcement connection	■	■					
	Seismics	■	■					
	Fire test	■	■	■	■			■
	Hammer drilling	■	■	■	■	■	□	■
	Diamond drilling	■	■					
	Hollow drilling	■	■			■		■
	Without borehole cleaning			□	□			■
	Water-filled borehole	■	■	□	□	■		■
	Underwater	□						
System component	Bonded anchor UHB-I							
	Anchor rod ASTA	■	■	■	■	■	□	■
	Anchor rod UPM-A	■	■	■	■	■	□	
	Internally threaded anchor IST	■	■	■	■		□	■
	Internally threaded anchor UPM-I	□	■	■	■	■	□	
	Sieve sleeve UPM-SH		■	■	■	■	□	
	Commercially available threaded rods ²⁾	■	■	■	■	■	□	
Load ranges [kN] ³⁾	Concrete Tensile load	5-150,1	3,9-150,1	3,4-150,1	3,4-150,1	3,9-86,2		3,9-61
	Concrete shear load	5,1-90,2	6-90,2	2,9-90,2	2,9-90,2	5,1-56,8		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	
Durability up to [months]	Cartridge 410 ml			15		15	15	
	Cartridge 360/390 ml	36	24	24	15	24	15	
	Cartridge 150/300 ml		18	18	18	18	12	
	Cartridge glass							24
Temperature in the anchorage base and curing time t _{work} [minutes] ^{4,5)}	-15°C bis -10°C				720			1800
	-10°C bis -5°C				480			960
	-5°C bis 0°C		1440	1440	180			600
	0°C bis +5°C		180	180	180	180	360	45
	+5°C bis +10°C	2400	90	90	50	90	180	30
	+10°C bis +20°C	1080	60	60	30	60	120	20
	+20°C bis +30°C	600	45	45		45	60	5
	+30°C bis +40°C	300	35	35		35	30	3
	> +40°C							
Temperature of the mortar and processing time t _{work} [minutes]	-5°C bis 0°C				5			
	0°C bis +5°C		13	13	5			
	+5°C bis +10°C	120	9	9	3	13	15	
	+10°C bis +20°C	30	5	5	1	9	8	
	+20°C bis +30°C	14	4	4		5	5	
	+30°C bis +40°C	7	2	2		4	3	
	> +40°C					2		

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

²⁾ Handelsübliche Gewindestangen mit Prüfzeugnis 3.1 und Material gemäß ETA.

³⁾ For details, see the respective load table.

⁴⁾ In wet concrete or water-filled drill holes, the curing times must be doubled. Observe drill hole cleaning according to ETA.

⁵⁾ The temperature in the concrete must not fall below the specified minimum value during the curing of the mortar.
Minimum cartridge temperature +5°C. Minimum cartridge temperature (UKA3 PLUS) -15°C.

Legend:

■ — Approved
□ — Suitable