

## Chemical Mortar Cartridge styrene free

Approved for the anchoring in non-cracked concrete in connection with Kalm threaded rods, galvanized, stainless steel A4 and highly corrosion resistant 1.4529.

### ● **Areas of application**

Stairway steps, monuments, Structural steelworks, well, window lattices, machines railings, fronts... in dry, moistening and aggressive damp environments, like chlorine, sea water or tunnels.

### ● **Characteristics**

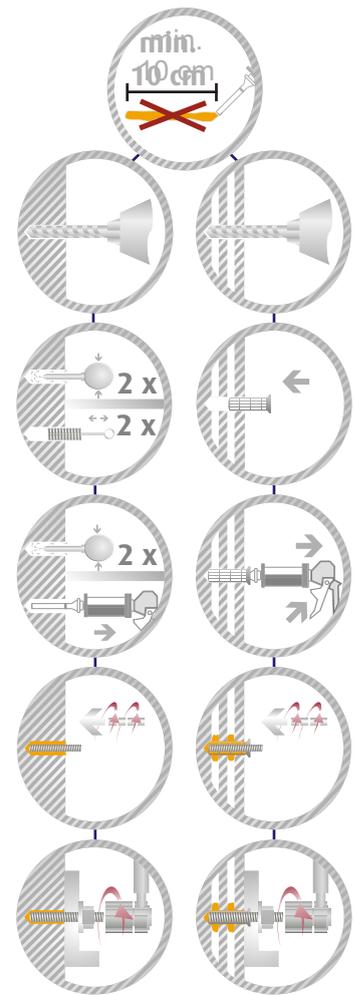
Chemical mortars are characterised by simple handling and ensure a straddling pressure free attachment with at the same time high load-carrying capacity. The application types of the mortars are versatile, thus are for the industrial and private use a multiplicity of application possibilities. The co-ordinated two-component mortar system VMK-SF allows an exact and simple dosage for the mortar mass.

### ● **Impact**

The components, consisting of resin and hardener mixture, are in two separately arranged chambers. By using an injection gun both components are mixed in the nozzle to become a highly stressable mortar mass with high mechanical values.

● **Operating instruction:**

- Drill the hole: Use a percussion drill.
- Cleaning of the drillhole:  
twice in each case with the brush DBK  
with the Blowpump ABK and again with the brush  
DBK. \*(with hollow blocks introduce the sleeve SHK).
- Insert the mortar cartridge into the injection gun APK.  
Reject the first 10 cm strand or the first two strokes.
- Fill in the mortar from the drill-hole-deepest (sleeve-  
deepest).
- Rotate the fixing element ASK, ASK-E or ASK-H  
into the hole.
- Let the mortar harden (see reaction times).
- Fasten the element and tight the nut  
(see Technical data)



● **Reaction times:**

Anchor base temperature [°C]	40	30	20	5	0	-5
Gelling time [min]	2	3	4	12	25	45
Curing time [min]	15	25	45	90	180	360

● **Technical Data:**

**VMK guidelines for concrete  $f_c=20 \text{ N/mm}^2$ ,  
anchor stud quality 5.8**

		M8*	M10	M12	M16	M20*
Drilldepth (anchoring depth, setting depth) $h_v$	[mm]	80	90	110	125	170
Nominal drill hole diameter	[mm]	10	12	14	18	24
Design value for any load direction (including partial safety factor)	[kN]	3,6	6,4	11,6	13,9	18,5

\*Not a content of the approval

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