

## CUGLATON® TIKSO K70

- CUGLATON TIKSO K70 is a shrink-proof cement mortar with thixotropic properties, specially developed for constructing prefab construction systems, without the need for shuttering.
- CUGLATON TIKSOMORTEL K70 can be very easily pumped, is stable and has excellent bonding properties.
- CUGLATON TIKSOMORTEL K70 can be applied in layers up to approx. 60 mm thick.

### Applications

<b>Civil and public utilities / prefab construction</b>	Filling clearances under prefab concrete elements through pumping Placing prefab concrete elements in mortar beds Filling vertical joints between prefab concrete elements
<b>Industrial construction</b>	Horizontal bonding of anchors Filling crane gantries under slopes Undergrouting steel baseplates
<b>Concrete construction and hydraulic engineering</b>	Horizontal bonding of anchors Filling vertical joints between prefab concrete elements

### Classification in accordance with CUR Recommendation 24

#### Non-shrink mortars

<b>Mortar sort</b>	Trowel mortar
<b>Mortar type</b>	0,5 mm
<b>Strength class</b>	K70
<b>Environment class</b>	X0 t/m XA3
<b>Swelling</b>	> 0,1% < 2,0 %
<b>Shrinkage</b>	< 0,75 mm/m



### Directions for use

#### Pre-treatment

The surface onto which CUGLATON TIKSOMORTEL K70 has to be applied needs to be clean.

The cement skin coating should be removed and no free water may be present.

- Pre-treatment with water.  
The surface must only be moistened with water (Please note: No free water!)
- or
- Pre-treatment CUGLACRETE HECHTPRIMER CEMENTGEBONDEN or CUGLACRETE HECHTPRIMER EPOXY SEALER.  
For an optimum bond we advise the use of CUGLACRETE HECHTPRIMER CEMENTGEBONDEN, a cement polymer modified system, or CUGLACRETE HECHTPRIMER EPOXY SEALER, an epoxy-based system.

#### Mixing

Mechanically mix CUGLATON TIKSOMORTEL K70 until it becomes a homogeneous mixture. Mixing time depends on the type of mixer, approx. 3 minutes.

#### Water dosage

Water bandwidth: 3,0 – 3,4 ltr/20 kg mortar. Dose, within the indicated water bandwidth, with plenty of water so as to produce a mortar with a flow of approx. 140 mm.

#### Follow-up treatment

The finished surface must be carefully protected against dehydration with CUGLA CURING COMPOUND, or by covering with a plastic sheet.

#### Storage and shelf life

If stored in a dry place it has a shelf life of up to 6 months after production date, as stated on the packaging.

## Technical data at 20°C/65% RH

<b>Maximum grain size</b>		0,3	mm
<b>Cement type</b>		Portland	
<b>Water range</b>		3,0 – 3,4	ltr/20 kg mortar
<b>Consumption per m<sup>3</sup> approx.</b>		1880	kg
<b>Voluminous mass</b>		2150	kg/m <sup>3</sup>
<b>Layer thickness</b>		60	mm max.
<b>Flow measure</b>	t = 0 min.	140	mm
<b>Initial setting time</b>		30	minutes
<b>Swelling v/v ASTM C827</b>		> 0,1 en < 2,0	%
<b>Shrinkage NEN 3534</b>	24 hours	< 0,4	mm/m
	28 days	< 1,2	mm/m
<b>Fire classification</b>	EN 13501-1	A1	

<b>Strength development</b>	<b>EN 196-1</b>	<b>16 hours</b>	<b>24 hours</b>	<b>7 days</b>	<b>28 days</b>
<b>Tensile strength</b>	N/mm <sup>2</sup>	3	5	7	9
<b>Compressive strength</b>	N/mm <sup>2</sup>	35	50	75	90

Cuglaton<sup>®</sup> does not contain any chlorine, nor any other corrosive substances. For application at temperatures < 0 °C please contact Cugla B.V.

## Health aspects

Cugla advises:

- To wear appropriate personal protective equipment (PPE).
- To avoid contact with eyes and skin.
- In case of contact with the eyes, to rinse immediately with plenty of water and seek medical advice.
- In case of swallowing the product immediately contact a doctor and show the package or the safety data sheet.

Safety data sheets, SDS, are available via our website [www.cugla.com](http://www.cugla.com).

Changes to this document will not automatically be issued. Any previous product information hereby becomes null and void. The above data is provided to the best of our knowledge. The tests have been carried out under laboratory conditions. We will not accept any liability for the results achieved on the work, now that we have no influence on the process nor the specific conditions of the work.

Our general sales, delivery and payment conditions apply to all our transactions and are available at [www.cugla.com](http://www.cugla.com).