

**tc-lax**  
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## TC-LAX

Synthetic rubber-based tackifier latex for cement-based mortar and adhesives.

**bonding agents  
and adhesives**

**TECHNOKOLLA®**



# tc-lax



## MAIN FEATURES

High bonding performance

## APPEARANCE

White liquid

## STORAGE

12 months in dry place, protected from freezing and high temperatures

## FIELDS OF USE

### Highly bonding adhesive

Pour TECHNOS+ or TECHNOLA or TECHNO-XL powder into the latex. It is essential to use this mixture in the following cases:

- fixing tiles on old ceramic or stone floors, also outdoors
- fixing large, stable, natural stone tiles not affected by humidity, also on façades
- precast concrete or concrete cast on site.
- fixing tiles or natural stone not affected by humidity, to plasterboard. Use of Primer-T prior to fixing is not essential, but recommended.

### Adhesive cement-based mortars for repairing or leveling walls and floors

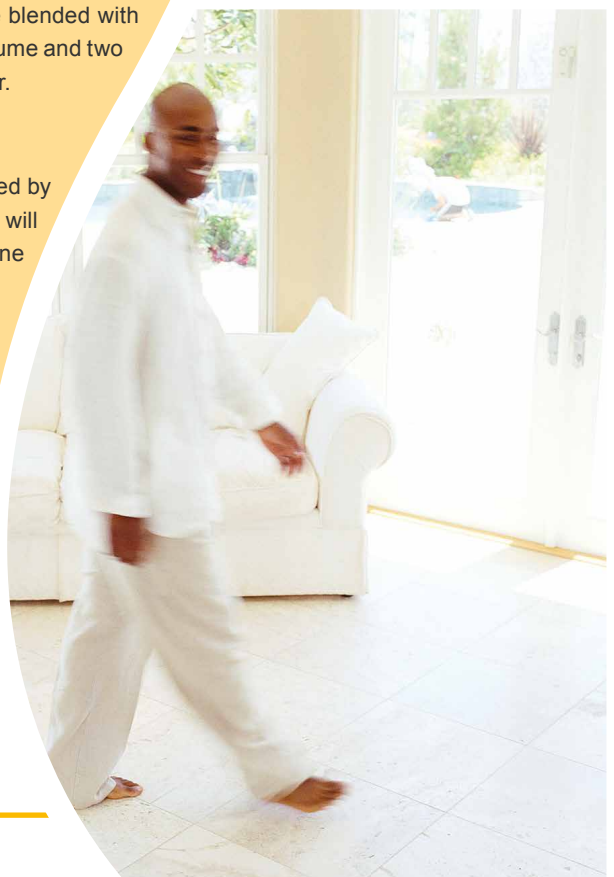
Mortar formed by a mixture of cement and sand in 1:3, 1:4 ratios must be blended with the liquid obtained by diluting TC-LAX and water in 1:2 ratio (one part in volume and two parts of water). The sand grains should not be more than 2 mm in diameter.

### High performance screeds

Blend mortar formed by cement and sand in 1:7 ratio with the liquid obtained by diluting TC-LAX in 1:3 ratio with water. The screed obtained with TC-LAX will be more consistent and will possess higher mechanical strength than one formed by using water alone.

### Adhesive cement grouting

For casting joints or creating fixed screeds. The cement grouting is made by diluting TC-LAX in 1:1 ratio with water, and adding Portland cement to this solution to obtain paste that can be applied by brush. The mortar must be cast wet-on-wet.



### **Plaster rendering**

Dilute TC-LAX in 1:1 ratio with water. Prepare a mixture of sand and cement in 1:1 weight ratio. The sand used for rendering should have a discontinuous curve reaching up to 3 mm in diameter at most (e.g.: 01 mm and 2-3 mm, to create a rougher appearance and increase the bonding surface). Rendering must be applied to smooth surfaces like concrete, or when the plaster applied afterwards must be covered with tiles or marble.

### **Plastered surfaces**

Dilute TC-LAX in 1:4 ratio with water. Prepare a mixture of sand and cement in 1:4 weight ratio. Choose the sand used for plastering to suit the thickness required. By and large the diameter will be 2-3 mm at most. Now blend the sand-cement mixture with the previously diluted latex to obtain a plastic paste.

### **Adhesives and plaster blended with TC-LASTIC can be applied straight onto:**

cement-based plaster, cement-lime mortar, cement-based screeds, concrete, bricks, old ceramic floors\*.

\* only for adhesives

## **NATURE OF THE PRODUCT**

TC-LAX consists of synthetic resins and specific additives in watery dispersion.

For further details, ask the technical office for the safety brief or download it from the web site [www.technokolla.com](http://www.technokolla.com).

## **WARNINGS AND RECOMMENDATIONS**

### **Do not use:**

in mixtures with lime alone as a binder.

Consult the technical data sheets of the products mentioned for further details about use of TC-LAX.

## DOSES AND USES

USE	Weight ratio TC-LAX : water	Weight ratio cement : sand	Mixture consistency
Adhesive cement-based mortars	1:2	1:3 1:4	Plastic
High performance screeds	1:3	1:7	Wet/plastic earth
Adhesive cement grouting	1:1	Cement only	Fluid
Plaster rendering	1:1	1:1	Very soft
Plaster	1:4	1:4	Plastic

## TECHNICAL DATA

pH	~6.7
Weight density	~1.01
Inflammability	No

## TECHNICAL SPECIFICATIONS OF PRODUCTS MODIFIED WITH TC-LAX

	Unit of measurement	TECHNOS+	TECHNOLA	TECHNO-XL	Standard			
Mixing ratio	l x bag	7	6.8	6.8				
Pot life	min *	~80	~80	~80				
Open time	min *	20	20	20	EN 1346			
Deformability	mm	~3.8	~3.8	~3.9	EN 12002			
Classification		C2 S1	C2 S1	C2 S1	EN 12004			
Thermal resistance	from -40C° to +120°C							
		<b>GREY</b>	<b>WHITE</b>	<b>GREY</b>	<b>WHITE</b>	<b>GREY</b>	<b>WHITE</b>	EN 1348
Bond after 28 days	N/mm <sup>2</sup>	~2.8	~2.1	~2.2	~2.5	~2.0	~1.8	EN 1348
Bond after the action of heat	N/mm <sup>2</sup>	~2.8	~3.0	~3.1	~3.5	~2.2	~2.1	EN 1348
Bond after the action of water	N/mm <sup>2</sup>	~1.4	~1.5	~1.3	~1.3	~1.1	~1.1	EN 1348
Bond after freezing/thawing cycles	N/mm <sup>2</sup>	~1.6	~1.8	~1.2	~1.4	~1.3	~1.2	EN 1348

\* These time intervals refer to a temperature of 23°C–50% R.H.  
They become shorter with higher temperatures and longer at lower temperatures.

## SPECIFICATION

TECHNOS+, TECHNOLA and TECHNO-XL cement-based adhesives must be mixed with synthetic rubber latex such as TECHNOKOLLA's TC-LAX, which improves bonding ability without altering the application characteristics.

**Technokolla** reminds you to examine the “**notes**” document that completes the information in this data sheet.  
The document can be downloaded in the pdf format from the website [www.technokolla.com](http://www.technokolla.com).

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