tc-lax

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TC-LAX

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

bonding agents and adhesives

TECHNOKOLLA®

A SIKA BRAND

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 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 PLUS prior to fixing is not essential, but recommended.

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

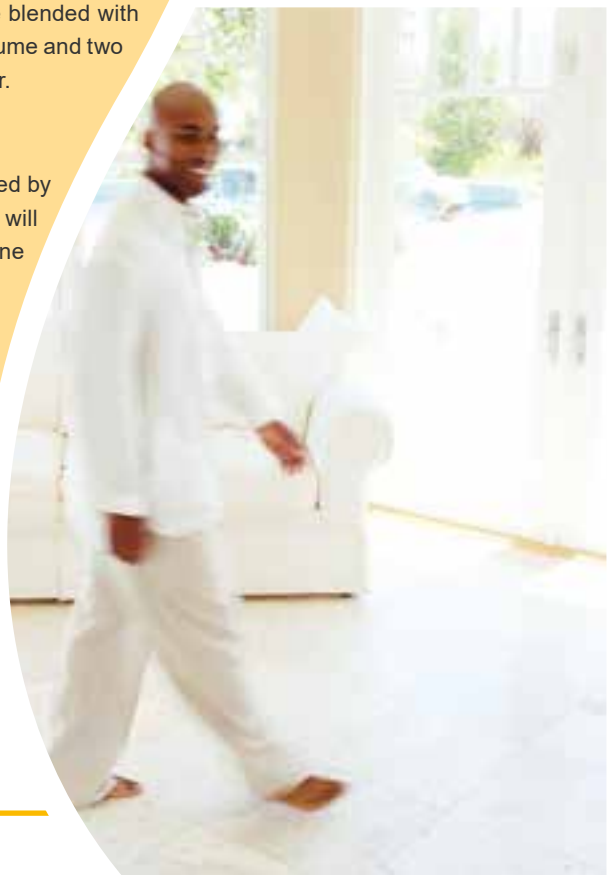
Mortar formed by a mixture of cement and sand in 1:3, 1:4 ratios must be blended with the liquid obtained by diluting TC-LAX and water in 1:2 ratio (one part in volume and two parts of water). The sand grains should not be more than 2 mm in diameter.

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-LAX 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 disperson.
For further details, ask the technical office for the safety brief or download it from the web site 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.

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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	TECHNO-XL	Standard
Mixing ratio	l x bag	6.8	
Pot life	min *	~80	
Open time	min *	20	EN 1346
Deformability	mm	~3.9	EN 12002
Classification		C2 S1	EN 12004
Thermal resistance	from -40C° to +120°C		
Bond after 28 days	N/mm^2	~1.8	EN 1348
Bond after the action of heat	N/mm^2	~2.1	EN 1348
Bond after the action of water	N/mm^2	~1.1	EN 1348
Bond after freezing/thawing cycles	N/mm^2	~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

TECHNO-XL cement-based adhesive 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.

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