

tc-lax

03/05 112



TC-LAX

Elasticizing synthetic rubber latex for adhesives and cementitious mortars.

**bonding agents
and adhesives**



tc-lax



MAIN FEATURES

High bonding performances

ASPECT

White liquid

STORAGE

12 months in a dry place, sheltered 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 that are not affected by water, also on façades.
- precast concrete or concrete cast on site.

The mixture must be stirred until a creamy paste has formed. As compared to mixtures made with water alone, the product obtained with TC-LAX provides an extremely tenacious bond of notable hardness.

Adhesive cementitious mortars for repairing or levelling walls and floors

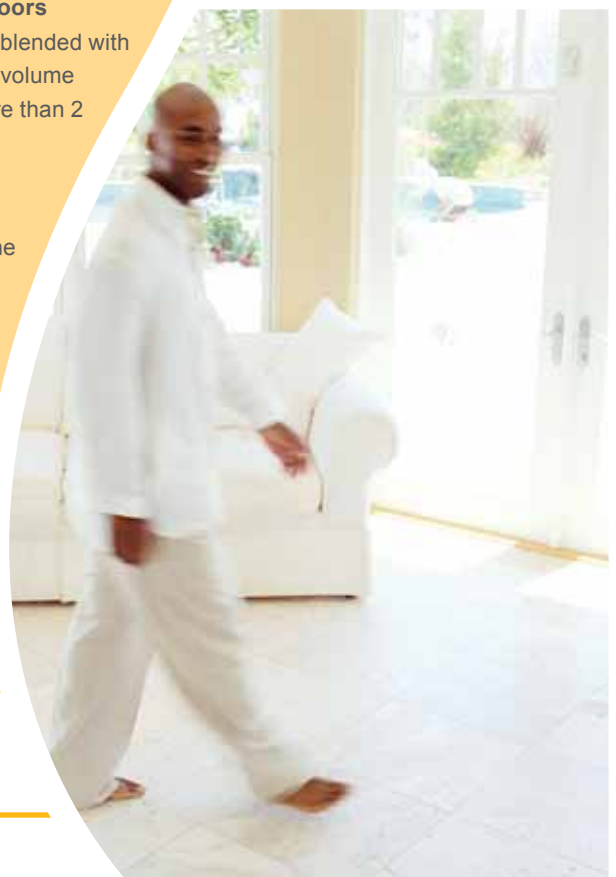
Mortar formed by a mixture of cement and sand in a 1:3, 1:4 ratio must be blended with the liquid obtained by diluting TC-LAX and water in a 1:2 ratio (one part in volume and two parts of water) The diameter of the sand grains should not be more than 2 mm.

High performance floor surfaces

Mortar formed by cement and sand in a 1:7 ratio should be blended with the liquid obtained by diluting TC-LAX in a 1:3 ratio with water. The surface obtained with TC-LAX will be more consistent and will possess a higher mechanical strength than that formed by using water alone.

Adhesive cement grouting

For continuing with castings or making fixed floor screeds. The cement grouting is obtained by diluting TC-LAX in a 1:1 ratio with water, and by adding Portland cement to this solution in order to apply a paste that can be applied with a brush. The mortar to fix must be cast wet on wet.



Plaster rendering

Dilute TC-LAX with water in a 1:1 ratio. Prepare a mixture of sand and cement in a 1:1 weight ratio. It is advisable for the sand used for rendering to have a discontinuous curve that can reach a diameter of up to 3 mm at most (e.g.: 0-1 mm and 2-3 mm, to create a rougher aspect and increase the bonding surface).

Rendering must be applied to smooth surfaces like concrete, or when the plaster applied successively must be covered with tiles or marble.

Plastered surfaces

Dilute TC-LAX with water in a 1:4 ratio. Prepare a mixture of sand and cement in a 1:4 weight ratio. The sand used for plastering must be chosen 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 until a plastic paste is obtained.

Products mixed with TC-LASTIC can be applied straight on to:

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

* only for adhesives

STORAGE

12 months in a dry place, sheltered from freezing and high temperatures

WARNINGS AND RECOMMENDATIONS

Do not use:

with mixtures that have lime alone as a binder.

Consult the technical briefs 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	Weight ratio cement : sand
Adhesive cementitious mortars	1:2	1:3 1:4	Plastic
High performance floor surfaces	1:3	1:7	Wet/plastic earth
Adhesive cement grouting	1:1	Cement only	Fluid
Plaster rendering	1:1	1:1	Very soft
Plastered surfaces	1:4	1:4	Plastic

TECHNICAL SPECIFICATIONS

pH	7,5
Weight density	1,08
Inflammability	No

TECHNICAL SPECIFICATIONS OF THE PRODUCTS MODIFIED WITH TC-LAX

	Unit of measurement	TECHNOS+	TECHNOLA	TECHNO-XL	Standard
Mixing ratio	l. each bag	7	7,25	6,75	
Pot life	min *	100	80	80	
Open time	min *	20	30	20	EN 1346
Creep on vertical wall	mm	-	0	0	EN 1308
Bond after 28 days	N/mm ²	2,5	2,8	2,8	EN 1348
Bond after action of heat	N/mm ²	2,7	2,7	2,9	EN 1348
Bond after the action of water	N/mm ²	1,3	1,3	1,3	EN 1348
Bond after freezing/thawing cycles	N/mm ²	1,4	1,4	1,4	EN 1348
Deformability	mm	> 3	> 3	> 3	EN 12002
Classification		C2 S1	C2TE S1	C2T S1	EN 12004 EN 12002
Thermal resistance	from -40C° to +120C°				

* These times 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 cementitious adhesives must be mixed with synthetic rubber latex such as the TC-LAX type by TECHNOKOLLA which improves their bonding abilities without altering their 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.

The advice about technical matters and applications in the technical data sheets, or given verbally or in writing by our personnel as part of our customer assistance service, are the result of our best and most up to date experience. Since we are unable to personally modify the conditions in the building site or the way the work is carried out, this information is purely indicative and, thus, binds us neither legally nor in any other way in relation to third parties. This information does not relieve the end user from being responsible for testing our products so as to make sure they are fit for the required use. We therefore strongly advise the customer/user to subject Technokolla's products to preventive tests in order to ensure that they are suitable. The end user is also responsible for checking to make sure that this technical data sheet is not obsolete and that more recent editions have not replaced it. Thus, before using our products, you are advised to download the most up to date version of the technical data sheet from our web site www.technokolla.com.