



Zentrival® PL-Flex Super (C2TES1)

One Component, Flexible, Polymer based Ready to use tile adhesive for Bonding of tiles Marbles, granites, stones, insulation boards, etc.

Product Properties

- Higher bonding adhesive strength Tile on tile application
- Suitable for absorbent as well as non-absorbent surfaces
- Very economical on account of thin bed method
- High flexibility to counteract thermal stresses
- Eliminates pre-wetting of tiles, marbles, stones, etc.
- Totally avoids iron staining of marble slabs
- Confirming to C2TES1 classification as per EN 12004.

Areas of Application

- Fixing of tiles on floors and walls and overhead sections
- Bonding of heavy marble, granite and stone slabs of exterior claddings.
- Fixing of tiles on surfaces like plaster, marine plywood, cement bound boards or various other absorbent and non-absorbent surfaces
- Bonding of polystyrene and other insulation boards by thin bed method
- For fixing of tiles in interiors as well as exteriors

Application Notes

General

Zentrival® PL-Flex Super (C2TES1) is a ready to use flexible thin bed tile adhesive on polymer basis. It is suitable for interior as well as exterior applications. **Zentrival® PL-Flex Super(C2TES1)** is resistant to saponification resulting in no loss in bonding strength over time **Zentrival® PL-Flex Super(C2TES1)** is extremely suitable for absorbent as well as non-absorbent surfaces.

Zentrival® PL-Flex Super(C2TES1) is suitable for fixing conventional tiles as well as marble, granite and stone slabs for exterior claddings and also for fixing of polystyrene and other insulation boards. While fixing tiles, thin bed method can be used. This method with **Zentrival® PL-Flex Super(C2TES1)** replaces the conventional tiling method of using a cement pat mortar of about 15 to 20 mm thickness and the lack of adhesion that is common feature with cement mortar while fixing stone, marble tiles etc. **Zentrival® PL-Flex Super(C2TES1)** mortar has inbuilt flexibility which counteracts the thermal stresses especially in the external claddings.

On account of its easy workability **Zentrival® PL-Flex Super(C2TES1)** enables quick spreading of the adhesive thereby increasing the labor efficiency. On the whole an overall economy can be achieved by using of **Zentrival® PL-Flex Super(C2TES1)** taking into consideration the long-term benefits achieved

Surface Preparation

Since **Zentrival® PL-Flex Super(C2TES1)** is suitable to fix tiles on a variety of surfaces, surface preparation methods would vary from surface to surface. As a guideline, all surfaces should be structurally sound, dry, and free of oils, grease and remnants of mould release agents. The surfaces should be free from paints and surface laitance.

Zentrival® PL-Flex Super(C2TES1) is compatible with slightly wet and moist surfaces and absorbent surfaces should be lightly moistened prior to application. External surfaces should be relatively even to enable saving of the material.

On uncommon surfaces a preliminary trial a week before fixing date is recommended. Similar trials are recommended for uncommon type of building materials to be bonded to surfaces.

Instructions for Use

Add **Zentrival® PL-Flex Super(C2TES1)** to water and not reverse, mix until a paste like consistency of the mortar is formed. Leave the paste to stand for about 5-10 minutes before application to enable the polymers to react. Mix only small quantities that can be used within 20/25 minutes

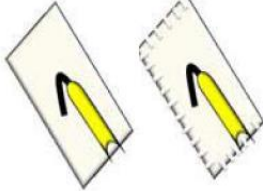



Apply **Zentrival® PL-Flex Super(C2TES1)** to the prepared surfaces in thin layer of scratch coat of tile adhesive with straight side of trowel on substrate and then with notch trowel of appropriate size for application of Tile adhesive bed for application of Tile adhesive. Do not cover more than 1.5 sq. m area at a time. The tiles can then be placed in position before the skin is formed. The position of tiles can be adjusted within about 25-30 minutes depending upon temperatures. If the paste material has hardened do not add water to make it workable. The layer thickness should not exceed 5 mm

The use of **Zentrival® PL-Flex Super(C2TES1)** eliminates the need of prewetting the tiles and stones etc. It also eliminates the battening of tiles and avoids breakage of costly tiles, stones, marbles etc. **Zentrival® PL-Flex Super(C2TES1)** is extremely suitable for tile-on-tile applications. **Zentrival® PL-Flex Super(C2TES1)** is suitable for tiling on multitude of surfaces like concrete, cement plasters, gypsum plasters, non-absorbent wood, existing tiles etc.

Zentrival® PL-Flex Super(C2TES1) can therefore be called as universal bonding agent for fixing tiles, which can aid Architects to design and implement various claddings and facades.



Further Instructions / Precautions

Tools: Notched Trowel and Normal Trowel 	Spreading Zentrival® PL Flex Super(C2TES1) Using Notched Trowel 	Buttering Method 	Application of Tile 
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Technical Data for Zentrival® PL-Flex Super(C2TES1)

Characteristic	Unit	Value	Comments
Initial adhesion	N/mm ²	1,95	Tested according to EN 1348
Adhesion after Water immersion	N/mm ²	1,0	Tested according to EN 1348
Adhesion after Heat ageing	N/mm ²	2,0	Tested according to EN 1348
Slip	mm	< 0,5	Tested according to EN 1308
Open Time	min	≥30	Tested at 26°C as per EN 1346
Coverage	Kg/m ²	2,6	With 6 mm notch trowel
	Kg/m ²	3,4	With 8 mm notch trowel
W/P Ratio	%	22 - 24	
Application Temperature	°C	+5 to +35	

Product Characteristics for Zentrival® PL-Flex Super(C2TES1)

Type of Product	Flexible Polymer modified Tile Adhesive
Form	Powder
Colour	Grey, white
Shelf Life	6 months from date of Manufacture
Delivery	30 Kg Sacks
Storage	In Unopened Packaging. Protect from Rain, Direct Sunlight, Heat and Frost
Disposal	Empty packs completely and dispose off carefully to protect our Environment

Safety Advice

Please Take notice of the safety information and advice given on the packaging labels, safety information sheets and General Application Advice.

Note: - The information on this Data Sheet is based on our experiences and correct to the best of our knowledge. It is However, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our Data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are binding if given in written form. The accepted engineering rules must be observed at all times.

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