



EN ISO 9001: 2008  
 TECHNICAL DATA SHEET  
**HYBRID SUPER ADD**  
**&**  
**HYBRID POWER FLEX**  
**POWERFUL FLEXIBLE**  
**RESINOUS TILE ADHESIVES**  
 CLASSIFICATION: C2TE S1  
 according to EN 12004 and EN 12002



### Description

New generation high performance tile adhesives classification C2 TE S1, suitable for all types of tiles. With unlimited application capabilities thanks to a new innovative active bio foam technology based on a combination of special 100% natural mineral materials.

Products of the company's expert research and development team performed exhaustive long-term tests in all possible uses and applications.

They are produced under standard modern industrial conditions with quarry aggregates of special granulometry of high clarity. They contain special polymer resinous mixed additives of highest quality and technology of the most approved European manufacturers, which offer accordingly many advantages such as: Powerful initial and final bonding, great flexibility and strength against deformations and vibrations. Great resistance against moisture (pools, basements) and temperature fluctuations (heat –frost). Great workability and easy to apply. Zero slide (T), extended open application time (E) and high flexibility (S1) It is classified as type **C2TE S1** tile adhesive according to EN 12004 and 12002 standard.

### Fields of application

Exceptional easy to use in all application conditions due to a special innovative bio-foam composition that delivers a creamy and fluffy texture to the mix. Suitable for fixing every type of tiles, marbles, natural granites and decorative stones, absorbent or non –absorbent tiles, floors and walls, indoors and outdoors and various substrates with application thickness up to 20mm. It is ideal for the application of extra-large size tiles in very demanding spaces such as vibrating floors with under-floor heating, plasterboards, swimming pools, terraces, industrial spaces of heavy duty, busy spaces, parking spaces etc. giving extremely long-lasting results.

### Application

The substrate of application must be thoroughly prepared so that it is free of dust, paint, oil, loose material etc and capable to carry the additional weight. On flimsy substrates or substrates with high absorbency (plasters, aerated concrete etc.) it is recommended to apply the **SYSTEM TECHNICA TECHNOFLEX** product 1-2 hours before application of the adhesive. On smooth non-absorbent surfaces it is recommended the use of **SYSTEM TECHNICA SUPER CONTACT** quartz primer. For best result it is recommended to wet the surface before the application. The content of the bag is mixed in a ratio of 25kg of adhesive with 8,0-8,5 lit of clear water, until a homogeneous mixture is formed. The mixture is then left to settle for 5-7 minutes and then mix it again with a low revolution

mixer. The adhesive mixture is ready to use and its coagulation time is 3 to 4 hours depending on the temperature of the environment. During this time the mixture is mixed periodically without adding more water. Coating the adhesive on the surface is uniformly applied by means of a suitable notched trowel. The mixture that is applied can be covered within 30min. Especially for non-absorbent extra-large size tiles (60x 60 or over). It is recommended that the application of the adhesive, in addition to the substrate, should also be done evenly with a regular spatula at the back side of the tile giving the thickness of 1mm. In that manner and also using special levellers we can achieve an easy application and secure permanent bonding. Application temperature is between 5° C and 35 ° C.

### Consumption

2.5 - 6kg /m<sup>2</sup>, depending on the trowel's notch size, tile size and the nature of the substrate

### Storage

Keep in a room with low humidity and store on pallets up to one year from the date of production and always in sealed package

### Packaging

Available in bags of 25kg

### Technical Specifications

Form	Dry powder
Color	White
Mixture composition	Very Thick
Water requirement	7.9 -8.4lt per 25kg bag (± 0.25lit)
Maturing Time	5-7min
Specific Weight	1.33g/lit
Mixture density	1.45kg/ lit
Application Temperature	+5° C and +35 ° C.
Application thickness	20m
Pot life	3-4 hours
Open Application Time	> 30min

Minor adjustments open time	approx. 30in
Slip	≤ 0.5 mm
Temperature Resistance	-30° C to +95° C
Grouting on walls	after 8 hours
Grouting on floors	after 24 hours
Deformability	>2.5mm
Tensile adhesion strength after 28 days according (EN1348)	2.07/ mm <sup>2</sup>
Tensile adhesion strength after heat ageing at +70° C for 14 days (EN1348)	2.01/mm <sup>2</sup>
Tensile adhesion strength after water immersion for 14 days (EN1348)	1.62/ mm <sup>2</sup>
Tensile adhesion strength after 25 freeze thaw cycles (EN1348)	1.60/ mm <sup>2</sup>
Flammable material	NO

Based on EN 12004 and EN 12002

### Notes

The product contains cement and is classified as irritant please consult the safety instructions written on the packaging before use.





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EN 12004 : 2007 + A1 : 2012

**HYBRID SUPER ADD**

**DoP No.: SYSTEM TECHNICA HYBRID SUPER ADD/5000 -14**

Improved cementitious adhesive with additional characteristics,  
extended open time and reduced slip

**Classification: C2TES1**

For internal and external tiling

<b>Reaction to fire:</b>	Class A1
<b>Adhesion, as:</b>	
Initial tensile adhesion strength	$\geq 1,0 \text{ N/ mm}^2$
<b>Bond Strength as:</b>	
Tensile adhesion strength after heat ageing	$\geq 1,0 \text{ N/ mm}^2$
Tensile adhesion strength after water immersion	$\geq 1,0 \text{ N/ mm}^2$
Tensile adhesion strength after freeze thaw cycles	$\geq 1,0 \text{ N/ mm}^2$
<b>Release of dangerous substances:</b>	See MSDS



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EN 12004 : 2007 + A1 : 2012

**HYBRID POWER FLEX**

**DoP No.: SYSTEM TECHNICA HYBRID POWER FLEX/5000-15**

Improved cementitious adhesive with additional characteristics,  
extended open time and reduced slip

**Classification: C2TES1**

For internal and external tiling

<b>Reaction to fire:</b>	Class A1
<b>Adhesion, as:</b>	
Initial tensile adhesion strength	$\geq 1,0 \text{ N/ mm}^2$
<b>Bond Strength as:</b>	
Tensile adhesion strength after heat ageing	$\geq 1,0 \text{ N/ mm}^2$
Tensile adhesion strength after water immersion	$\geq 1,0 \text{ N/ mm}^2$
Tensile adhesion strength after freeze thaw cycles	$\geq 1,0 \text{ N/ mm}^2$
<b>Release of dangerous substances:</b>	See MSDS

The company guarantees the performance of the product as written in the technical data sheet - CE. These are the results of the company's long-standing experience and knowledge in the production and application of the product in practice (laboratory tests and projects autopsy). The company cannot guarantee the final result as it is impossible to monitor and oversee all possible product applications. Therefore, it is the user's sole responsibility to ensure product is suitable for the requirements of its project, to consult the instructions for use on the packaging and to use it in the right way and in the right conditions to have the ideal final result. The present edition of this technical datasheet automatically cancels any previous one concerning the same product. Karditsa April 2019.