

# anhydrite plus

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## ANHYDRITE PLUS

Quick-setting fluid adhesive used in a single coat to fix ceramic tiles on calcium sulphate-based substrates (anhydrite). Applied directly without primer.

**bonding agents  
and adhesives**

**TECHNOKOLLA®**





21±1%



5-30°C



20 min



10 and Ø15



60 min



10 mm



≤ 3600 cm<sup>2</sup>

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## MAIN FEATURES

- Quick-setting fluid adhesive
- Applied directly without primer
- Fixes large formats with a single coat

## APPEARANCE

White powder

## STORAGE

6 months in a dry place

## FIELDS OF USE

- Single-coat application for fixing ceramic tiles on calcium-sulphate based indoor screeds without the use of primer.
- Application on calcium sulphate-based screeds with water-coil heating systems.

## SUBSTRATES

Sodium sulphate-based screeds.

## NATURE OF THE PRODUCT

The product mainly consists of calcium sulphate, selected silicon/quartz mineral charges and specific additives.

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

## OPERATIONS PRIOR TO APPLICATION

If the substrate is not even enough, ANHYDRITE PLUS can be used as a skimming coat between 3 and 10 mm thick. The surfaces must be levelled at least 12 h prior to fixing with the same product.



## RECOMMENDED ACCESSORIES



**TKW 407**  
Mixer 1200



**TKW 411**  
**TKW 412**



**TKW 121**  
10x10 mm trowel



**TKW 181**  
Ø 15 mm round trowel

### HOW TO PREPARE THE MIXTURE

ANHYDRITE PLUS should be blended with about 5.25 l of clean water per bag (21±1%) until a homogeneous, lump-free mixture is obtained. It is advisable to use a blender at low speed (approx. 500 rpm) as a high speed will reduce the mechanical characteristics of the product. The product obtained is a fluid, creamy paste. The tiles need not be spread twice with adhesive when this product is used, even when large formats are involved. To get the most out of this characteristic, the substrate must be perfectly flat.

### WARNINGS AND RECOMMENDATIONS

- only use indoors and on floors
- before application, check with a carbide hygrometer to make sure that the residue humidity in the screed is 0.5% or less
- comply with the substrate manufacturer's instructions if floor heating is installed
- make sure that the substrate has been prepared in accordance with the manufacturer's instructions and that it is clean and free from dust
- do not apply at temperatures lower than 5°C or higher than 30°C
- do not apply in layers more than 10 mm thick

### AMOUNT REQUIRED

Trowel	10x10 mm	Ø15 mm
Anhydrite Plus	5 Kg/m <sup>2</sup>	7 Kg/m <sup>2</sup>

The amounts refer to sole use of the trowel and to flat substrates.

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TECHNICAL DATA	VALUE	REQUIREMENT	STANDARD
Pot life	*60 min		
Open time	*20 min	°20 min	CSTB: EP1-DT1
Adjustability time	*Approx. 15 min		
Treadable after	*4-8 h		
Floor tiles can be grouted after	*4-8 h		
Surface can be used after	*24 h		
Tensile bond after 6 hours	≥ 0.5 N/mm <sup>2</sup>	≥ 0.5 N/mm <sup>2</sup>	CSTB: EP1-DT1
Initial tensile bond after 28 days	≥ 0.5 N/mm <sup>2</sup>	≥ 0.5 N/mm <sup>2</sup>	CSTB: EP1-DT1
Tensile bond after the action of heat	≥ 0.5 N/mm <sup>2</sup>	≥ 0.5 N/mm <sup>2</sup>	CSTB: EP1-DT1
Tensile bond after immersion in water	≥ 0.5 N/mm <sup>2</sup>	≥ 0.5 N/mm <sup>2</sup>	CSTB: EP1-DT1

\* these times refer to a temperature of 23°C-50% R.H.. Less time is required at higher temperatures and more time at lower temperatures

**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.

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