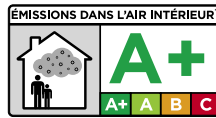


CERMITHANE

HYBRID CAULK – HIGH PERFORMANCE



 TITANIUM  BRIGHT WHITE

Indicative colour. Refer to the CERMIX colour chart.



DESCRIPTION

CERMITHANE is a high-quality, universal, single-component caulk. It is based on hybrid technology with neutral, acid-free crosslinking upon contact with moisture in the atmosphere. CERMITHANE maintains its elasticity and adhesion for a long time.

ADVANTAGES

- Hybrid caulk without solvent or isocyanates
- Enables flexible, durable and waterproof assemblies
- Very strong adhesion on smooth, closed or porous, dry or wet substrates
- Retains excellent adhesion and elasticity in adverse conditions: weather, UV, ozone and extreme temperatures
- Can be painted, even when fresh
- Environmentally friendly with low VOC emissions

WHERE TO USE

- For sealing joints (tile/toilets), and for bonding in new work and renovation
- Forms high-performance flexible joints with ceramics and for insulating construction
- Can be used for shower pan joints, joints around edges, fractionation joints, and expansion joints (interiors)
- Excellent adhesion to cement and concrete, tiles, glass, metals, wood, plastic (test first), CERMIPLAK and CERMIBAK ready-to-tile panels, PPE sealing membranes

HOW TO USE

Note: The following is a typical description of application. If your site has other parameters, contact our Technical Department.



Check the surface



Application temperatures



2 to 10 mm



Clean with soapy water



Can be painted



Moisture resistant

SURFACE PREPARATION

The surfaces must be clean, free of dust, grease and any other substances that could affect the caulk's adhesion. Remove grease either with hot water or with a solvent-soaked pad followed by wiping with a clean cloth.

APPLICATION

Bonding

For bonding, use either dots or lines within 15 minutes of application. For light parts, the hold is immediate; for heavy parts, hold for a short period while the caulk reacts.

Joints

A seal must be made correctly to allow dilation between the different substrates. Up to 6 mm, the width of the joint equals its depth. Beyond that, the width of the seal (max 10 mm) is usually double the depth. Determine the joint depth using a round joint base made of PE or PU. When you apply CERMITHANE, make sure that the joint is fully filled. Clean/smooth the joint as follows, before the surface skin forms:

- Spray soapy liquid onto the surface to be cleaned and remove the excess material using a caulk scraper.
- Or remove the excess material using a caulk scraper soaked in the soapy liquid.

Adhesion

The mixture is spread with trowel and then notched with the trowel to the required thickness. The surface to be covered must not be larger than what can be tiled (or grouted) during the product's open time at that application temperature. Remove any excess adhesive before the product hardens. Make sure that the grooves are completely crushed. If EPOSOL 2.0 forms a continuous screen, it prevents damaging substances from penetrating the substrate.

Grouting

Use the KITAJOINT suitable for epoxy. Completely fill the joints with a hard rubber float or a plastic or stainless-steel trowel. Remove the excess straight away with the rubber scraper, perpendicular to the tile's surface and diagonal to the filled joints, to make washing easier and reduce use. Clean the tiles immediately after application, using a sponge (like CERMIX KITAJOINT) first soaked in warm water and wrung out. Hold the sponge firmly but without applying too much pressure (to avoid hollowing out the joint), always diagonally across the filled joints. Change the water often. Never let the product polymerise (start to set): we recommend cleaning after grouting a maximum of 2-3 m².

Note: In the proper application conditions, emulsification is not needed. However, any excess epoxy on the tiles can be removed with a slightly damp finishing float (use the CERMIX range), by rubbing in gentle circles without applying pressure (so as not to hollow out the joints), then by cleaning with a sponge. If necessary, add EPONET to the wash water.

FINISHING

If painting a product, carry out a test beforehand.

APPLICATION CONDITIONS

- Application temperature: +5°C to 40°C
 - Skin formation (pot life): approximately 20 to 30 minutes*
 - drying time: 3 mm cord in 24 hr*
 - Dust free: approximately 40 minutes*
 - Wait before spraying water: about 4 h
- * at 23°C and 50% RH

CLEANING AND MAINTENANCE

Areas soiled by fresh caulk can be cleaned with rubbing alcohol or with our multi-purpose cleaning wipes. Once the caulk has reacted, it can be removed by scraping and other mechanical means.

COMMENTS

Do not allow CERMITHANE to come into contact with natural or synthetic rubbers, neoprene adhesives, flexible PVC, asphalt or bitumen. Do not use CERMITHANE with exterior expansion joints, for the manufacture of aquariums or for sealing swimming pool joints.

TECHNICAL CHARACTERISTICS

APPARENCE – COMPOSITION

Single-component hybrid caulk

COVERAGE

For dots: 1 290 ml cartridge per 300 1 cm3 dots

For lines: 1 x 290 ml cartridge for 12 m of 5 mm x 5 mm lines

TECHNICAL CHARACTERISTICS

TECHNICAL CHARACTERISTICS	Value
Movement capability	20%
Density	1.52
Shore A Hardness	Approximately 50
Elongation at break	around 200%
Elastic recovery	around 70%
Working temperature range	-30°C to +80°C
Loss of volume after drying	≤ 3 %

Values obtained in the laboratory at 23°C and 50% RH, according to the current standard.

	CERMITHANE
CERMIX - Rue de la Belle Croix - 62 240 DESVRES	
EN 15651-1 : F-EXT-INT-CC :CLASS 12.5E EN 15651-3 S:CLASS XS1	

REFERENCE DOCUMENTS

CERMITHANE meets specifications:

EN 15651-1: F-EXT-INT-CC

EN 15651-2: F & G-CC

ISO 11600 F&G -20 E



PACKAGING

290 ml plastic cartridge, 12 cartridges per carton, 1200 cartridges per pallet.

STORAGE & SHELF LIFE

Protect from frost and sunlight and store between 5 and 25°C.

Shelf life: 1 year in the original, unopened packaging. Each cartridge has an easily identifiable batch code.

SAFETY INSTRUCTIONS

- EMISSIONS IN INDOOR AIR (1): Information on the level of volatile substances emitted in air indoors, presenting a toxicity risk by inhalation, on a classification scale ranging from A+ (very low emissions) to C (high emissions).
- Consult the safety data sheet at www.quickfds.fr or ask CERMIX France for it.
- Always wear personal protective equipment that meets current guidelines and regulations.
- Dispose of the contents and container in accordance with local/regional/national/international regulations.

We reserve the right to update this technical document. It is the user's responsibility to always check whether there is a more recent version available at our website, www.cermix.com. It is the responsibility of the person using the products to ensure that the products are compatible and suitable for the planned use. Prior tests may be carried out to confirm that products behave as expected.