



T-Bond Zero

Description

Solvent-free, two-component, high-performance, fast and multi-purpose adhesive.

Fields of Application

- It is used for bonding corner joints of cladding materials such as ceramic and granite ceramic.
- It is used for bonding the edges of thin ceramic materials reinforced with mesh on the back.
- Can be used to fill surface deformations.

Properties

- Solvent-free.
- Impact-resistant.
- Heat-resistant.
- Excellent adhesion even on wet and dry surfaces.
- Rapid.
- UV resistant
- Seamless joints.
- Various colors.

Preparation of Substrates

- All surfaces to be treated must be clean and free of dust and grease.
- On glossy and/or smooth surfaces, it is recommended to sand the surfaces before bonding.
- Before applying the adhesive to the surfaces, the product must be mixed homogeneously in the specified proportions.

Application

- Before starting to mix and apply the components, protective gloves and preferably safety glasses should be worn.
- 0,4 kg of Component B should be mixed with 1,6 kg of Component A until a homogeneous color is achieved.
- The working time of the mixture is 7-10 minutes. The fixing time is 30 minutes.
- After the mixture is homogeneous, it is applied to the 45° cut edges, fixed in place, and the curing of the adhesive is awaited.

Storage

- Packages should be kept dry and cool at between +5°C and +35°C in moisture free conditions. Avoid direct sunlight.
- Packages should be protected from water, frost and adverse weather conditions.
- Shelf life is maximum 12 months conditional to complying with the above mentioned conditions.

Packaging

In plastic pails of 2 kg units.

Component A: 1,6 kg

Component B: 0,4 kg



Technical Properties

(at 23°C and 50% RH)

General Data

Color	Component A: White Component B: Colorless / Translucent
Shelf Life	12 months when stored in the original pail

Application Data

Mixing Ratio	1:4 by weight (w/w)
Gel Time	7 - 10 minutes
Fixture Time	30 minutes
Setting Time	80% hardening in 45 minutes 100% hardening in 2 hours
Application Temperature	(+10°C) - (+30°C)

Performance Data

Density (g/cm ³) Component A	1,80 ± 0,03
Density (g/cm ³) Component B	1,15 ± 0,03
Viscosity (cP) (sp7 /10rpm) Component A	> 70000
Viscosity (cP) (sp2 /10rpm) Component B	< 2500
Working Time (min)	7 - 10

Adhesion (MPa)	Time	60 min	120 min
Substrate	Ceramic to Ceramic	> 3	> 9
	Ceramic to Plywood	> 1,5 Substrate Failure	> 1,5 Substrate Failure
	Ceramic to Marble	> 2 Substrate Failure	> 2 Substrate Failure
	Ceramic to Concrete	> 1,5 Substrate Failure	> 1,5 Substrate Failure

Shear Strength (MPa)	Time	60 min	120 min
Conditioning	Cold Enviroment 10° C	> 3	> 5
	Water immersion	> 2	> 4
	Thermal ageing	> 2	> 3

*All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.