



# SERABOND EPO (R2T)

TWO COMPONENT, EPOXY BASED, CERAMIC ADHESIVE AND FILLER

- Excellent resistance to aggressive chemicals
- Non-sagging
- Long pot life

## DESCRIPTION

**SERABOND EPO** is a two component, epoxy based ceramic adhesive and filler which is resistant to aggressive chemicals, acids and alkalis that is used either as a adhesive in ceramic, granite, mosaic tiling works or as a joint filler for old and news joints between 2-10 mm width.

## TYPICAL APPLICATIONS

- Internal and external applications,
- Vertical and horizontal applications,
- Hospitals, operation rooms, schools and malls where there is heavy pedestrian or load traffic,
- Swimming pools, saunas, medical baths, thermal or salt water springs,
- Food grade applications, cutleries, dairies, restaurants, fruit processing plants, olive factories, biscuit factories etc,
- Chemical Industry Plants, laboratories, manufacturing plants and warehouses, leather or battery plants,
- Marble, granite, natural stone, ceramic, mosaic etc. tiling works.

## ADVANTAGES

- Excellent resistance against strong acids, alkalis and oils.
- Anti-bacterial, prevents mold and alga formation.
- Maintains waterproofing against leaks.
- High compression and abrasion strength.

## TECHNICAL PROPERTIES

**Colour:** Grey, White

**Physical Appearance:** Two components

**Mortar Density:** 1,80 ± 0,05 g/cm<sup>3</sup>

**Application Temperature:** +10 °C - +35 °C arası

**Pot Life:** max. 90 min.

**Time Required for Grouting:** min. 12 hours

**Time Required for Open Traffic:** 12-24 hours

**Service Temperature:** -30 °C - +80 °C

As ceramic adhesive:

**Initial High Tensile Bonding Strength (TS EN 1348):** ≥ 2 N/mm<sup>2</sup>

**Tensile Bonding Strength After Water Exposure (TS EN 1348):**  
≥ 2 N/mm<sup>2</sup>

**Tensile Bonding Strength After Thermal Aging (TS EN 1348):**  
≥ 2 N/mm<sup>2</sup>

**Tensile Bonding Strength After Prolonged Pot Life (TS EN 1346):**  
(min. 20 minutes later) ≥ 0,5 N /mm<sup>2</sup>

**Shear (TS EN 1308) :** ≤ 0,5 mm

Above given data is valid under 23 °C and 50% humidity.

**Reference Standards**

TS EN 12004 / R2T

**Bayındırlık Poz No:** 04.013/2

## DIRECTIONS FOR USE

### SURFACE PREPARATION

- Do not apply on frozen or melting (ice) surfaces or surfaces that may be exposed to rain or frost within the next 24 hours.
- Apply on clean, dry and sound surfaces. Surface should be made free of plaster works thinner than 3mm.
- Repair any defects or pores on the application surface with **CR MORTAR 205** or **CR MORTAR 510** before 24 hours of the time of application.
- Dampen the surface with water if the application surface is exposed to direct sunlight and strong wind.

### MIXING

- Mix the two components using a low speed mixer until a homogenous paste state is achieved.
- For applications under 15 °C, for ease of application, keep **SERABOND EPO** containers in warm conditions for a day before the application. It is mandatory that the product is in room temperature at the time of application.

### APPLICATION

- In order to obtain a decent bonding surface, **SERABOND EPO** should first be distributed onto the surface using the flat side of the trowel and then chiseled with a 45° angle between the toothed side of the trowel (which should be suitable for the tile size) and the surface.
- The tile should be pounded lightly with a rubber mallet to achieve firm adhesion and to allow firm fixing behind the tile.
- If applied on walls or large ceramic tiles, apply adhesive on the back of each tile and firmly press the coating material into the adhesive on the surface. If notched coatings are used, it is required to apply the compound until the notch depth is filled.
- The compound should be applied by leaving joint surfaces, and any residues should be cleaned with a warm wet sponge from ceramics and joint surfaces before full cure.

### WATCHPOINTS

- Do not apply on metal surfaces.
- If applied on existing tiles, the surface should be primed with **REBOND SOLID**.
- Apply **FIXCRETE 300** or **FIXCRETE 200** as waterproof coating.
- before fixing tiles in wet areas (bathrooms, showers, toilets, etc.).

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## CONSUMPTION

120 cm<sup>2</sup>, 6x6x6 mm:

Single side bonding 1,5-1,8 kg/m <sup>2</sup>
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Double side bonding 1,6-2,0 kg/m <sup>2</sup>
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## PACKAGING

10 kg containers

## STORAGE AND SHELF LIFE

Store in dry and cool locations. Shelf life is 12 months under suitable storage conditions. Product storage conditions should be adhered to, and the products should not be stored in humid and damp warehouses.

## HEALTH AND SAFETY

As with all chemicals, contact with skin, eyes or mouth should be avoided during usage or storage. If accidentally ingested seek immediate medical attention. In case of contact with the skin, wash with plenty of water. Reseal containers after use.

**NOTE:** Information contained herein is based on our current scientific and application information. INTERFIKS Yapı Kimyasalları A.Ş. is liable only for the quality of product, and shall not be liable for consequences of any inappropriate uses of the product. This technical document shall remain in effect until a newer version is printed, and hereby substitutes all previous versions hereof. (01/2015)