



# PROEPO MAX 440

**Epoxy Based  
Ceramic Adhesive & Grouting  
R2T**

## **PRODUCT DESCRIPTION:**

It is a solvent-free epoxy-based, developed, resistant to diluted chemicals, joint filler and ceramic adhesive product.

## **FEATURES:**

- It is practical.
- Easy to apply.
- It is thixotropic.
- It is suitable for joint spacing up to 10 mm.
- It provides a clean working environment.
- Adhesion strength is high.
- It is resistant to water, moisture and chemicals.
- It is easy to comb.
- Used indoors and outdoors.
- Suitable for heavy traffic. It has high mechanical strength.
- It is suitable for use in swimming pools.
- Resistant to freeze-thaw cycle.

## **PRODUCT INFORMATION:**

Chemical Base	Epoxy Based / Solvent Free
Appearance / Color	Liquid / White
RG :	Reaction Resin Based Joint Filler
R2 :	Reaction Resin-Based Adhesive

## **PERFORMANCE:**

(23°C, 50% RH)

Tensile Adhesion	≥ 1 N/mm <sup>2</sup> TS EN 1348
Tensile Adhesion After Water	≥ 0.5 N/mm <sup>2</sup> TS EN 1348
Tensile Adhesion after Heat	≥ 0.5 N/mm <sup>2</sup> TS EN 1348
Tensile Adhesion After Freezing	≥ 0.5 N/mm <sup>2</sup> TS EN 1348
Pot Life	1 hour
Joint Filling Time	After 12-48 hours (Depending on ambient temperature)
Touch Dry :	7 hours
Walking Time :	24 hours
Time to Use (Maximum Chemical Resistance):	7 days



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These values have been obtained as a result of laboratory tests carried out in our company and are valid for the performance of the finished applications at the end of the full drying period. Since the temperature and humidity values in the construction site environment and the application surfaces and areas will vary, the values may change.

## **USAGE AREAS:**

In the adhesion of the Dilatation Tape,

In bonding metal profiles to concrete,

In the food industry (milk, beer, wine, meat integrated facilities, slaughterhouse, cafeteria and restaurants), in facilities where hygiene is required such as textile, electronic industry facilities, hospital, laboratory and pharmaceutical industry

On laboratory benches and commercial kitchen work surfaces,

Filling floor and wall joints in swimming pools and waste water treatment plants containing salt or thermal water

It is used for bonding coating materials such as ceramic, tile, mosaic, decorative brick, natural stone.

It can be applied in wet areas such as bathrooms and kitchens, and on rough surfaces such as concrete, brick and plaster.

It can be worked in horizontal and vertical application.

## **APPLICATION INSTRUCTIONS:**

Surface; It should be cured, dry and solid. It must be cleaned of residues such as oil, grease, dirt, paint, salt vomit that will prevent adhesion. The surface must be rough. Surface smoothness is checked with a spirit level. If there are significant defects on the application surface, PROREPAIR THIN or PROREPAIR; If the application will be made in environments exposed to high sulphate such as sea water and sewage, it should be repaired with PROREPAIR PLUS at least 24 hours in advance.

At low temperatures, the product may increase in consistency. For this reason, components A and B should be kept at room temperature ( $23 \pm 3^{\circ}\text{C}$ ) for 1 day before mixing.

## **Application Equipment:**

Hand Mixer

Trowel

Roll

Rubber Hammer

Notched Trowel



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### **As an adhesive:**

Mixing should be done with the help of a PROEPO MAX bucket A and B component medium speed mixer at a speed of 400-600 rpm until a homogeneous mixture is obtained. It is spread on the surface with a flat steel trowel. It is scanned according to the tile size by moving it circularly with a toothed trowel. Ceramics are pressed and adhered on the combed mortar. For strong adhesion, force is applied with a rubber hammer. Joint pluses can be used between ceramics to get the joint filler share equally. After waiting for about 20-40 minutes, the excess is cleaned with hot soapy water and sponge and the surface is finalized. Direct contact of the pasted tiles with water should be avoided for at least 24 hours. Expired or crusted mortar in the container should be disposed of.

### **As grouting:**

After the ceramics are adhered and dried, the prepared mortar should be spread on the surface and the joint gaps should be filled with a rubber-edged filler trowel with cross movements and the excess should be scraped off from the surface. Remains on the ceramic are cleaned with hot soapy water after about 6 hours.

### **LIMITATIONS:**

Please obey to the application instructions to obtain optimum quality. The application should be done between +5 C and +30 C. It should not be applied in hot, rainy and windy weather. The product should be protected from rain, water, frost and adverse external factors until it cures (28 days).

### **CONSUMPTION:**

For one-sided application: 2-3 kg/m<sup>2</sup>  
For double-sided application: 3-4 kg/m<sup>2</sup>

### **PACKAGING:**

5 kg bucket



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## **SHELF LIFE:**

It is 1 year from the date of production in its original packaging in dry and non-humid (temperature between +5 C and +25 C) environments. The lid of the containers should be tightly closed when not in use. It should be kept away from moisture.

## **STORAGE CONDITIONS:**

It should be stored in its unopened original package, in a moisture-free, dry and cool (temperature between +5 C and +25 C) environment. It should not be left under direct sunlight.

## **SECURITY:**

After application, hands and application tools should be washed with plenty of water. Use protective gloves, goggles and clothing. In case of eye contact, rinse with plenty of water and seek medical advice immediately. Keep out of reach of children. In case of skin contact, wash with plenty of water and soap. Do not swallow. For detailed information and recommendations, please refer to the Safety Data Sheet.

*DEKOSTAR San.ve Tic.Ltd. Şti. is not responsible for any application errors that may occur if the product is used for purposes other than its intended use or if the above-mentioned application conditions and recommendations are not followed. Dekostar reserves the right to change its products. Users should consider the latest edition of the Technical Data Sheet of the relevant product.*