



DESCRIPTION

A two-component epoxy adhesive & grout based on a solvent free epoxy resin system



APPLICATION AREAS

Formulated as an impervious, high strength adhesive and grouting compound offering simple and easy application with good chemical resistance.

- Recommended for wall and floor tiling, where hygiene is of prime importance, particularly food processing, brewery and hospital applications
- swimming and leisure pool situations, where traditional cement-based formulations have consistently failed under attack from aggressive water



FEATURES & benefits

- Meets BS EN12004 Type R2T & EN13888 Type RG
- Excellent adhesion in wet and dry conditions
- Water wipeable, eliminating the need for cleaning solvents
- Hygienic in service, will not support bacteria growth
- Excellent handling characteristics ensuring easy application
- Maximum chemical resistance
- Low VOC



Technical INFORMATION

PROPERTY	VALUE
Mixed density at 20°C	2.0 gm/cm ³
Consistency	Flowable
Compressive Strength	7 days > 55 N/mm ²
Flexural strength	30 N/mm ²
Abrasion Resistance	0.9mg/1000 cycles
Pull of strength	3.0 N/mm ²
Water absorption	0.01
Pot life @ 10°C	70 minutes
Pot life @ 20°C	50 minutes
VOC Content	< 1 .0
Resistant to aging	Excellent
Chemical resistant	Dilute acids, alkalis, salts, oils, fats, limited resistance to solvents



METHOD OF APPLICATION

SURFACE PREPARATION

For use as a grout

- Before grouting, make sure that the installation mortar or the adhesive has set and released most of its moisture.
- The joints must be dry, clean, free of dust and emptied at least 2/3 of the tile thickness.
- Clean the tile or stone surface to remove dust, dirt, mortar, adhesive and other contaminants that may cause grout discoloration

For use as an adhesive

- All substrates should be structurally sound, stable, dry, clean and free of any substance or condition that may reduce or prevent adhesion

MIXING

Pour the entire contents of Component B into Component A and mix for 30-60 seconds on a low speed (400 – 600 rpm) rotary drill, taking care not to entrain air during mixing. Do not over mix, to avoid overheating.

PROPOXY 2K

EPOXY ADHESIVE & GROUT

APPLICATION

As an adhesive

After mixing the two components as described above, spread the adhesive with a notched trowel.

Apply the tile under firm pressure to ensure good contact. Remove surplus adhesive from the face of tiles with clean water.

As a grout

- Propoxy 2K should be applied directly to the joints using a palette knife or plastic spatula. Propoxy 2K may also be applied by cartridge gun or similar technique.
- Be certain that all joints are well compacted and free of voids/gaps. Fill the joints with the maximum amount of grout possible. Grout depth of 15mm minimum required.
- Remove surplus material from the face of tiles/paviors immediately using a pre-damped cleaning pad. Propoxy 2K is water wipeable

DO NOT ALLOW TO SET ON FACE OF TILES.

Installations using Propoxy 2K may be opened to light foot traffic in 24 hours.

Ready to use in 4 days

Full cure in 7 days



LIMITATIONS

- Do not thin with any type of solvent
- Allow the grout to rise above the bottom of the base plate for proper sealing
- Mix full kit, no splitting is allowed
- Minimum grout depth should be achieved
- Color might vary when exposed to sunlight and UV



PACKAGING & STORAGE

Available in **10kg unit** (5kg part A & 5kg part B) & **2kg unit**(1kg part A & 1kg part B)

Storage condition: 24 months in unopened packaging, between 5°C and 35°C



HEALTH & SAFETY PRECAUTIONS

PROPOXY 2K is epoxy based and there is risk of cauterization in the event of contact with the eyes; will lead to dehydration and thereafter irritation in case of contact with skin. So, while mixing and applying the product, protect with safety goggles and protective gloves.

- Splashes to skin must be washed off with water and soap
- Splashes to the eyes must be rinsed with clean warm water. Seeking medical attention is highly recommended and mandatory.



TECHNICAL SERVICE

Application of the PROPOXY 2K should be done according to the procedure mentioned in this technical data sheet. IKAN INC will not be held responsible for any claim arising out of non-performance of the product due to incorrect application procedure or usage of product for non- recommended purpose. Please contact IKAN INC. technical team for more details on application of PROPOXY 2K for any purpose other than mentioned above or on surfaces with other special construction additives.



DISCLAIMER

To the best of our knowledge and belief, this information is true and accurate, but as conditions of use and any labor involved are beyond our control, the end user must satisfy himself by prior testing that the product is suitable for his specific application, and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. Products are sold subject to our Standard Conditions of Sale and the end user should ensure that he has consulted our latest literature.