



# PROBLEND<sup>®</sup> EPOXY GROUT

## 2 PART KIT



**PROBLEND™ EPOXY GROUT** is a 2-part, high performance, chemical resistant epoxy grout for internal and external applications. PROBLEND™ EPOXY GROUT is non sag, non shrink, easy application, easy clean up and is colour consistent. It is stain resistant, impermeable, and has high temperature resistance. PROBLEND™ EPOXY GROUT offers maximum protection against staining, and chemical attack from food, beverages, chemicals and cleaning detergents.

PROBLEND™ EPOXY GROUT is suitable for prolonged contact with water in fully immersed applications in pools and spas.

PROBLEND™ EPOXY GROUT is available in a range of designer colours, suited for areas that require a decorative chemical resistant coloured grout.

### PRODUCT FEATURES

- Easy mixing 2 Part
- No shrinkage
- Colour consistent and stain resistant
- Easy application and water cleanup.
- Non sag – Vertical application
- Joint widths from 1 – 10mm\*
- Chemical and Frost resistant
- High strength and abrasion resistant

\*Grout colour Transparent from 1 – 4mm

### SUITABLE TILE TYPES

- Ceramic
- Porcelain
- Natural stone
- Glass mosaic
- Terrazzo

### AREAS OF USE

- Walls & Floors
- Interior & exterior applications
- Continuous immersed applications, pools, spas, steam rooms and car wash
- Industrial, commercial, food and beverage processing plants & commercial kitchens
- Installations requiring chemical resistance, cold storage, restaurants and dairies
- Installations requiring clinical sanitation, hospitals, laboratories & veterinary clinics

### MIXING

Thoroughly stir PART B (Hardener) liquid before use, add the entire contents of PART B to PART A (Resin) and mix thoroughly to a homogeneous consistency, eliminating any colour streaks in the mix. Do not mix partial units. Ensure to scrape bottom and sides of container during mixing. Mix by hand with a trowel or low speed mixer ( less than 300RPM) and cage paddle, avoid air entrapment which cause pinholes in the grout.

DO NOT OVER MIX , this will cause the epoxy grout to flash set. Remove all mixed epoxy grout from container and spread out in piles or on a mortarboard as soon as mixing is completed. This will extend working time.

### APPLYING

Tiles should be fixed in accordance with Australian Standard AS3958.1 – 2007. Ensure the adhesive has adequately cured per the manufacturer's recommendation. Before commencing grouting remove all spacers, grout joints should be free of all loose debris, contaminants and excess adhesive mortar. Apply the mixed grout with a hard rubber squeegee or epoxy grout float, ensuring that the grout is worked well into the joints, filling all joints full and even with surface of tile. It is important to achieve 100% fill coverage with no voids in the joints to prevent pin holes and slumping of the epoxy grout. Remove excess epoxy by holding the grout float at a 90° angle and pulling the float diagonally across the grout joints, removing excess epoxy will make final cleaning easier. Avoid gouging joints. Do not allow excess grout to cure on the face of the tiles as this will be difficult to remove. Wash off excess epoxy grout by emulsifying the residue with clean warm water using a scouring epoxy sponge and as little pressure as possible, work in a circular motion across tiles to loosen epoxy film and to finish the joints smoothly. Periodically change the rinse water and sponge if build-up occurs to aid in clean-up and minimize epoxy residue . As a final step, clean film residue from tile by dragging a clean, microfiber towel flatly across the tiles. Discard any PROBLEND™ EPOXY GROUT that has hardened or stiffened in the mixing bucket.

NOTE: For absorbent, porous or textured tiles care must be taken to ensure the grout does not stain the tile and cleanup. It is recommended that a test is carried out to verify that the tiles are suitable to be grouted with PROBLEND™ EPOXY GROUT. Epoxy and epoxy wash residue should not be allowed to dry on painted, anodized and thin metal-plated surfaces. Clean uncured materials from these surfaces immediately with soap and water.

## POT LIFE

40 – 60 minutes at 23°C and 60% relative humidity.

## CURING

Allow grout to set for a minimum of 24 hours prior to allowing light foot traffic and 72 hours for heavy traffic. Protect from industrial cleaners for 7 days and from aggressive chemicals for 14 days, for continuous immersed applications allow epoxy grout to set for 14 days. Do not grout if the temperature is likely to drop below 5°C or exceed 35°C. Lower temperatures will cause the epoxy to be stiff and will extend initial set, higher temperatures will cause the epoxy to be fluid and will accelerate the set.

## CLEANING

Tools and equipment can be washed using clean warm water and detergent before the material has set.

## INCORPORATING MOVEMENT JOINTS

Movement Joints must be installed according to Australian Standard AS3958.1 - 2007.

## COVERAGE

Coverage will vary depending on tile size and joint width, coverage may be reduced by waste, spillage and site conditions.

## STORING

When PROBLEND<sup>TM</sup> EPOXY GROUT is stored in its original unopened package in a dry area off the ground at a temperature of 23°C and a relative humidity of 60%, it should be usable for approximately 24 months. Prevent contents from freezing.

## HANDLING

CTA<sup>TM</sup> supports best practice in material handling: Gloves, mask and protective clothing should be worn. For further information refer to product SAFETY DATA SHEET.

## LIMITATIONS

- PROBLEND<sup>TM</sup> EPOXY GROUT should not be used in areas with temperature requirements above 120°C
- PROBLEND<sup>TM</sup> EPOXY GROUT must be mixed and used as directed.
- For movement and expansion joints, use PROBLEND<sup>TM</sup> S1 flexible silicone.
- Full cure of 14 days is necessary prior to full submersion with chemically treated water.
- Epoxy, epoxy residue, or wash water will discolour painted or anodized surfaces upon contact.
- Vertical grout joint width should not exceed 10mm.
- PROBLEND<sup>TM</sup> EPOXY GROUT should be tested for possible staining or slight colour changes when used with porous, absorptive, rough textured tiles, natural stone or marble.
- PROBLEND<sup>TM</sup> EPOXY GROUT is best applied when temperatures are between 15°C & 30°C.
- Not recommended in facilities where heavy solvents are used.
- Colours may be slightly different than shown on colour samples. When colour considerations are critical, a mock-up should be constructed prior to final selection and application.
- The use of non-rinse, enzyme-based cleaners is not recommended as they may cause permanent damage.
- Areas subject to ultraviolet exposure may exhibit colour variation.
- Contact CTA<sup>TM</sup> for advice if further information is required.

## WARRANTY

Construction Technologies Australia warrants its products for a period of twelve (12) years from the date of sale. Visit [www.ctaust.com.au](http://www.ctaust.com.au) to view the full terms and conditions of this warranty.

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