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## Technical Data Sheet

### ME 948

**A two part 100% solids epoxy resin system suitable for use as a binder with graded aggregate to form an impervious and highly chemical resistant floor topping and a wide variety of repair and structural applications.**

#### Advantages

- Ease of mixing and application
- High chemical and abrasive resistance
- High tensile and compressive strength
- Excellent adhesion to prepared substrates
- Non shrink and adhesive.

#### Use

- High vehicular traffic areas
- Chemical and sewerage plants
- Breweries
- Food preparation areas
- Wet to dry adhesive
- Embedded grout for machinery, bolts
- Concrete sealer

#### Technical Properties

Mix ratio (wt.) Resin/Hardener:	100:45
Mix ratio (vol) Resin/Hardener:	2:1
Viscosity 25oC (m.p.a.s.):	500-700
Pot life at 25oC:	35 minutes
Tensile Strength:	45-55 m.p.a.
Compressive Strength:	65-75 m.p.a.
Minimum application temperature:	5oC
Tensile elongation:	3.4%

Tests determined after 7 days at 25oC

## Chemical Resistance

Phosphoric Acid:	Good	Cordial (Sugar):	Good
Sulphuric Acid:	Good	Toluene:	Good
Hydrochloric Acid:	Good	Xylol:	Good
Lactic Acid:	Good	Acetone:	Poor

## Preparation

Existing concrete floors should be sound and free from loose and drummy concrete and laitance should be removed by acid etching or shot blasting prior to commencement. Remove grease or other contaminants with chemical degreasers, repeat until clean (it is essential to remove all other contaminants prior to application to ensure maximum adhesion). New concrete should be allowed to cure a minimum 21 days before commencement. Prepare as above. Ensure substrate is clean and dry and free of dust before proceeding with application.

Steel surfaces should be blasted to Class 2.5

## Mixing

The resin and hardener are supplied in the correct portions for use. If a reduced amount of the product is required, take special care to see that the correct mixing ratio is maintained. Blend both components to ensure uniform mixing, preferably using a mixing head attached to allow speed drill.

## Application

As a repair mortar or chemical resistant floor topping, mix sufficient clean double washed sand of selected grade to provide a trowelable mix. Five parts sand to one part binder will provide a good starting base. Further sand can be added or deleted to ensure a resin rich floor.

As a grout; grout hole should be free of excess water and dust. Pour ME 948 slowly to avoid air entrapment. A 10mm clearance around bolt is required.

As a wet to dry adhesive or coating. Spread with a squeegee or long nap roller evenly over surface. Coverage will vary; allow 3-5sqm/litre

## Packaging

ME 948 is available in 30 litre, 6 litre and 3 litre packs.

## Clean Up

Use Solvent to clean tools and equipment. Do not use solvent to remove part cured material from hands. Use soap and water. Gloves should always be worn. See safety data sheet and read instructions on can prior to proceeding

The technical information and suggestions contained herein are believed to be reliable, but since the conditions of use are beyond our control, they are not to be construed as warranties.