

# SpECtite ETA

EPOXY RESIN CERAMIC TILE ADHESIVE AND GROUT

## DESCRIPTION

**SpECtite ETA** is a two-component solvent-free epoxy resin adhesive, which provides excellent adhesion and chemical resistance.

## TYPICAL USES

**SpECtite ETA** is designed to provide permanent fixing for ceramic tiles where a hygienic, chemically resistant and waterproof adhesive is required.

**SpECtite ETA** is designed as an impervious, high strength adhesive and grouting material offering excellent chemical resistance.

The product is recommended for wall and floor tiling where hygiene is of paramount importance, particularly food processing areas, swimming pools and hospital applications.

**SpECtite ETA** should be used in critical situations where traditional cementitious adhesives are inappropriate particularly in aggressive environments.

**SpECtite ETA** has good resistance to commonly encountered dilute acids, alkalis, salts, oils and fats.

## ADVANTAGES

- Excellent adhesion even in immersed conditions
- Hygienic – will not encourage bacterial growth
- Excellent application characteristics
- Excellent chemical resistance

## TECHNICAL DATA

### Typical results @ 25°C

<b>Compressive strength</b>	85 N/mm <sup>2</sup> @ 7 days
<b>Tensile strength</b>	13 N/mm <sup>2</sup> @ 7 days
<b>Flexural strength</b>	25 N/mm <sup>2</sup> @ 7 days
<b>Water absorption</b>	< 0.1%
<b>Pot life</b>	@ 20°C - 8 hours @ 35°C - 4 hours

## CHEMICAL RESISTANCE CHART

10% Lactic acid	Very good
10% Citric acid	Very good
40% Phosphoric acid	Very good
50% Hydrochloric acid	Very good
50% Sulphuric acid	Very good
Concentrated bleach	Very good
Saturated sugar solution	Very good
Saturated urea solution	Very good
White spirit	Very good
Oil	Very good
Petrol	Very good
Greases	Very good
Xylene	Very good
10% Ammonia	Very good
50% Caustic soda	Very good
Butanol	Good
Skydrol	Good

## APPLICATION

### Surface Preparation

The substrate must be clean and dust free. All contaminants such as friable material, grease and oil should be removed completely.

### Mixing

**SpECtite ETA** is supplied as a two-component pack consisting of a base component and a curing agent.

The total contents of the hardener can should be emptied into the base component and stirred



thoroughly using a suitable spatula or a drill and paddle until a smooth paste which is uniform in colour, is obtained.

### Application

The mixed material should be applied to the substrate using a toothed tiling comb. The tiles should be

pressed firmly in place using a twisting action to ensure good contact with the adhesive.

Typical adhesive depth will be approx. 3 - 4mm.

Remove any excess adhesive from the surface of the tiles with a dry cloth immediately.

The joints between tiles may be grouted using **SpECTite ETA** applied by plastic spatula, working on a maximum area of 0.5m<sup>2</sup> at a time.

#### **EQUIPMENT CLEANING**

Tools may be cleaned using **SpECTop Cleaning Fluid** whilst the product is in its uncured state.

Once hardened the product can only be removed by mechanical means.

#### **APPLICATION TEMPERATURE RANGE**

**Minimum** +5 °C

**Maximum** +35 °C

#### **PACKAGING & YIELD**

**SpECTite ETA** is supplied in 4.5 litre and 15 litre packs.

#### **STORAGE & SHELF LIFE**

**SpECTite ETA** has a shelf life in excess of 6 months when stored in original containers in a cool dry environment. At temperatures above 35 °C, the pot life will be reduced.

#### **HEALTH & SAFETY**

**SpECTite ETA & SpECTop Cleaning Fluid** should not come into contact with eyes or skin, nor should it be ingested.

When using **SpECTop Cleaning Fluid** ensure adequate ventilation and avoid inhalation of vapour. Wear adequate protective clothing including gloves and eye protection.

If contact with skin occurs, rinse with water then clean using soap and water.

If eye contact occurs, rinse with copious amounts of water and seek medical assistance.

If swallowed, DO NOT induce vomiting.

Seek medical attention immediately.

#### **FLAMMABILITY**

**SpECTite ETA** is non-flammable.

#### **FLASHPOINT**

**SpECTite ETA** >150 °C

**SpECTop Cleaning Fluid** >40 °C

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