

# Quickmast EP550



Three component non-shrink epoxy ceramic tile and stone adhesive and grout with chemical, abrasion and slip resistance, mould, stain and water impermeability that may be applied on humid substrates (Formerly known as Quickmast TP)

## Description

Quickmast EP550 is a chemical and abrasion resistant solvent free tile adhesive and grout ideal for demanding surface exposure or high traffic areas. Quickmast EP550 may be applied in conditions where the substrate is humid.

Quickmast EP550 is suitable for all types of ceramic tiles and stone in internal, external and submerged conditions. Quickmast EP550 is a three component system consisting of a resin base, hardener and select fillers.

## Applications

Quickmast EP550 is suitable for indoor, outdoor and submerged use in application areas such as:

- ▲ Swimming Pools.
- ▲ Laboratories.
- ▲ Kitchens.
- ▲ Dairy Industries.
- ▲ Meet Poultry and Food Processing Plants.
- ▲ Hospitals.
- ▲ Abattoirs.
- ▲ Pharmaceutical Plants.

## Advantages

- ▲ Application on humid substrates.
- ▲ High chemical resistance.
- ▲ High abrasion resistance.
- ▲ Highly deformable.
- ▲ High slip resistance, for demanding vertical tiling.
- ▲ High bond strength.
- ▲ Mould and stain impermeable.
- ▲ Water impermeable.
- ▲ Fast setting.
- ▲ Suitable for all ceramic tiles and stones.
- ▲ Suitable for internal, external and submerged conditions.
- ▲ Available in a wide range of colours.

## Method of Use

### Surface Preparation

#### 1) As a tile adhesive:

- ▲ Substrates should be clean and free from dust or any contamination.

### Technical Properties :

Pot life:	40 - 60 min @ 25°C 25 - 35 min @ 35°C
Foot traffic:	24 hr @ 25°C
Full cure:	7 days
Mixed specific gravity:	1.75 ± 0.05
Minimum application temperature:	5°C

- ▲ Steel surfaces shall be free from rust or other contaminants, ideally grit blasted to a near white finish in accordance to Swedish standards SA 2 ½.
- ▲ Surfaces should be dry before tiling.

#### 2) As a tile grout:

- ▲ Joint surfaces should clean and free from dust or any contamination.
- ▲ Joints should be cleaned to the full thickness of the tile or to a minimum depth of 2/3 of the tile thickness.
- ▲ Joints should be dry before grout filling.

## Mixing

To ensure proper mixing especially for large mixes, a mechanically powered mixer or drill fitted with a suitable paddle should be used.

The entire contents of the base and hardener should be poured into a suitable size container and mixed for 2 minutes. Add the filler to the base/hardener mixture and mix for another 3 minutes until a uniform colour is achieved.

## Placing and Finishing

#### 1) As a tile adhesive:

Spread the mixed adhesive to the substrate using a notched trowel. Apply with pressure a 1 - 2 mm coat with pressure using the flat face of the notched trowel onto the substrate.

Comb diagonally additional mixed adhesive up to a 3 mm total maximum thickness with the notched side of the notched trowel. Do not apply large areas of adhesive that cannot be covered within the open wet time of the adhesive.

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## 2) As a tile grout:

Use a masking tape on joint edges to protect tiles. Fill the mixed grout into the joints using rubber trowel or by using hand operated gun and cartridges. Excess grout should be cleaned with a proper wet cloth within the material pot life.

## Working Conditions

Quickmast EP550 should not be applied at temperatures below 5°C.

## Cleaning

Cleaning should be commenced immediately before the grout reaches initial setting. After initial set, product may be removed either by using solvent or by mechanical means but with great difficulty.

## Packaging

Quickmast EP550 is available in 0.5, 1 and 5 kg packs.

## Yield

0.57 litres/1 kg packs.

## Storage

Quickmast EP550 has a shelf life of 12 months from date of manufacture if stored at temperatures between 2°C and 35°C in original unopened pack.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

## Cautions

### Health and Safety

Quickmast EP550 should not come in contact with skin and eyes, or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Wear suitable protective clothing, gloves and eye protection. If working in confined areas, suitable respiratory protective equipment must be used. The use of barrier creams provide additional skin protection.

In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention immediately.

For further information refer to the Material Safety Data Sheet.

## Fire

Quickmast EP550 is nonflammable

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- ▲ Concrete admixtures.
- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
- ▲ Protective coatings.
- ▲ Sealants.
- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.

### Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.