



# EWI-104

# Universal Tile Adhesive

The EWI-104 Universal Tile Adhesive is made with Portland Cement, mineral fillers and polymers to create an elastic, C2TE class adhesive for interior and exterior tiling. Universal Tile Adhesive is perfect for fixing natural stone tiles, ceramics and clinker tiles to substrates. Universal Tile Adhesive is easy to use due to its long correction time, allowing you to adjust tiles after application. It provides a long-lasting, waterproof, frost proof universal adhesive finish - ensuring your tiles will remain secure. This Universal Tile Adhesive comes in 25kg bags as a dry mix, so requires the addition of water before it can be used.

## Intended Uses.

This universal tile adhesive is Intended for fixings all types of ceramic wall and floor tiles (ceramics, terracotta, clinker etc). It can also be used for natural stone tiles (with the exception of marble), however we always recommend checking for discolouring when using the product with stone tiles.

The universal tiles adhesive can be used internally or externally, and it can also be used in areas of high humidity such as bathrooms and kitchens and applied on screed with underfloor heating.



## Technical Specification

### Composition

Mixture of inorganic binders, fillers and non-hazardous additions.

### Bulk density (dry mixture)

1200-1300 kg/m<sup>3</sup>

### pH

11.5-13 Saturated aqueous solution

### Classification as per EN12004+A1

C2TE

# Directions for use.

## Substrate Preparation

All substrates must be load-bearing, stable, even and clean. If the substrate is not level, then at this stage it must be levelled out using the EWI-260 Levelling Mortar. Remove all unstable grouting from the substrate. Plaster and cement screeds must be at least 4 weeks old, gypsum plasters and anhydrite screeds must be at least 2 weeks old. Concrete groundwork must be at least 6 months old. Old, tightly fastened ceramic tiles need to be cleaned.

## Product Preparation

Pour the dry mix gradually into a container at a ratio of 6 litres of water per 25kg bag. Mix manually or using a low-speed mixer to produce a uniform, smooth texture. Leave the mixture for five minutes and then re-mix again. The product should be thick enough to not slide from a trowel when set at an angle. Do not mix the hardened product with water or fresh material.

## Application

Apply in a thin layer using a notched trowel at a maximum thickness of 5mm. Once mixed, the Universal Tile Adhesive has a shelf life of approximately 2 hours before it is unusable. Apply the Universal Tile Adhesive to the substrate at a maximum thickness of 5mm, then apply the tile to the adhesive. Once the tiles have been applied to the substrate, the application correction time is around 20 minutes before they can no longer be moved/adjusted. Do not tread on the tiles until 24 hours after application to prevent damage and to allow them to properly set.

## Application Conditions

<b>Maximum grout layer</b>
up to 5 mm
<b>Application and setting temperature</b> (air, substrate, materials):
from +5°C to +25°C
<b>Water mix proportions</b>
approx. 6 l of water per 25 kg of dry mix
<b>Time to use after mixing with water</b>
about 2 hours (temperature +20°C and air humidity approx. 60%)
<b>Quantity to be used</b>
1.3 kg/m <sup>2</sup> per 1 mm of grout thickness

## Packaging

25 kg bags.

## Storage

Shelf life: up to 12 months from the date of manufacture.  
Keep dry and in the original undamaged packaging.

## Safety Measures

Alkaline pH after mixing with water. Avoid contact with skin. Wear eye protection. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

## Clean-up

Wash tools immediately with clean water.

## Compliance with Standards

Product compliant with EN 12004+A1, Classification as per EN 12004+A1 C2TE