



040-011-1126  
Low Emission Low Toxicity  
Adhesive/Sealant

# QUICSEAL 600 ECO

## Product Name

Tilebond ECO

## Description

QUICSEAL 600 ECO is a grey powder adhesive composed of cement, graded fine sand, synthetic resins and specially formulated additives to be mixed with water as a thin-set tile adhesive with very good adhesion strength.

When cured, QUICSEAL 600 ECO is water resistant and has excellent thixotropic and shrinkage control properties.

## Classification:

EN 12004 : C1T

## Typical Uses

QUICSEAL 600 ECO is suitable for bonding ceramic tiles, quarry tiles, klinker, mosaics, natural stones, etc. on:

- both wall and floor;
- internal and external areas;
- conventional cement-sand screeds and renders.

## Limitations

Do not use QUICSEAL 600 ECO to:

- bond tiles on walls subjected to flexing and vibration (such as very thin plywood and gypsum board walls). Use QUICSEAL 605 MULTIPURPOSE PASTE or QUICSEAL 606 TILEFLEX;
- bond tiles on metal surfaces. Use QUICSEAL 612 TILEPOXY;
- bond moisture sensitive stones. QUICSEAL 612 TILEPOXY.

## Substrate Preparation

The substrates must be levelled, clean and sound, free of dust and loose particles. Laitance, oil, grease, mould release agents or curing compound must be removed from concrete surfaces by using wire brush, scabblers or other means.

Extremely porous and powdery substrates (e.g. gypsum or prefabricated plaster panels, etc.) should be treated with QUICSEAL 113 PRIMER C before laying tiles with QUICSEAL 600 ECO adhesive.

It is advisable to allow screeds and renders to cure for at least 7 days and surfaces which have become heated from exposure to direct sunlight should be dampened with water to prevent premature curing.

## Mixing Instructions

Pour approximately 5 ~ 5.5 litres of water into a clean container. Slowly add 25 kg of QUICSEAL 600 ECO and mix with a slow speed mechanical mixer until homogenous and lump free paste is obtained. Allow the mix to stand for 5 minutes and re-stir before use.

## Technical Data

<b>Product Type</b>	Powder
<b>Colour</b>	Grey
<b>Mix Ratio</b>	25 kg of QUICSEAL 600 ECO : approx. 5.5 litres of water
<b>Density of Mix</b>	1.70 g/cm <sup>3</sup>
<b>Pot Life</b>	approx. 2 hours
<b>Application Temperature</b>	from 5°C to 45°C
<b>Ready for Traffic</b>	after 24 hours
<b>Service Temperature</b>	from -30°C to +90°C

CLASSIFICATION	DESCRIPTION	EN 12004 REQUIREMENT	QUICSEAL 600 ECO
C1	Adhesion Strength after		
	a) 28 days' cure	≥ 0.5 N/mm <sup>2</sup>	Passed
	b) water immersion	≥ 0.5 N/mm <sup>2</sup>	Passed
	c) heat ageing	≥ 0.5 N/mm <sup>2</sup>	Passed
	d) Open Time @ 20 minutes	≥ 0.5 N/mm <sup>2</sup>	Passed
T	Slip	≤ 0.5mm	Passed

## Application

To achieve good adhesion, firstly apply a thin coat of QUICSEAL 600 ECO adhesive firmly onto the substrate using the straight edge of the trowel followed immediately with the appropriate amount of adhesive with the notch side to achieve the required thickness. The correct notched trowel size to use will depend on the type and size of the tiles.

For large sized tiles and tiles with lugs and grooves, apply a coat of QUICSEAL 600 ECO adhesive to the back of the tiles to ensure sufficient coverage when laid.

Lay the tiles onto the adhesive and ensure that a firm pressure is applied to achieve good contact with the adhesive.

Unfavourable climatic conditions such as strong sunlight, wind and high temperature, etc. and very porous substrates may reduce the open time of the adhesive. Hence, careful checks have to be made to ensure that skinning does not occur on the surface of the adhesive before laying the tiles. If a skinning has occurred, rework the adhesive before laying the tiles.

The tiles must be adjusted within 30 minutes after laying and must be protected from rain or strong sun for at least 24 hours.

Tile joints can be grouted usually 6 to 8 hours after laying the tiles

### **Cleaning**

All tools and hands may be cleaned with abundant water before the adhesive sets. After setting, cleaning becomes very difficult but can usually be helped by mechanical means.

### **Coverage**

1.6kg per m<sup>2</sup> per 1mm thick

The coverage is also affected by the condition of the substrate.

### **Packing**

QUICEAL 600 ECO is supplied in 25 kg bags.

### **Storage**

12 months in a dry place in the original packaging

### **Important Notes**

The information set forth herein is furnished free of charge in good faith and is based on technical data that QUICSEAL considers to be reliable. This information is intended for used by persons having technical skill and at their own discretion and risk. Information contained in this product sheet conforms to the standard detail recommendations and specifications for the installation of QUICSEAL products as of the date of publication of this document. QUICSEAL makes no other warranties and assumes no liability, expressed or implied, as to the architecture, engineering or workmanship of any project. To ensure that you are using the latest, most complete information, please contact QUICSEAL

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