



QUICSEAL 571

Product Name

Rapid Level Top

Description

QUICSEAL 571 is a single component, rapid-setting, self-levelling polymer-modified compound consisting of a blend of powders, well-graded aggregates and special additives to achieve good flow property.

When mixed, QUICSEAL 571 becomes a flowable compound and is easily applied over concrete floors as an interior underlayment for carpets, vinyl floor coverings or subsequent placement.

QUICSEAL 571 is durable and has excellent adhesion to masonry substrates.

Advantages

- Early strength gain – ready for foot traffic after 3 hours
- Single component system – user friendly
- High flow
- Excellent adhesion to concrete
- Low shrinkage
- Chlorides free

Typical Uses

QUICSEAL 571 is ideal for areas like: -

- As general resurfacing and repairing of concrete surface where a rapid return to service in 3-4 hours or short curing time is critical to be completed with subsequent floor coverings.
- Underlayment for carpets, parquet, vinyl floor coverings, tiles or natural stones

Suitable for interior application eg. offices, shopping malls, hospitals, schools, apartments and etc.

Surface Preparation

The substrate must be roughened or broom finished, structurally sound, clean and free from any loose dust, oil, grease, curing compound or other contaminants. Remove defective and unsound substrate.

Fill large cracks and holes with QUICSEAL 514 REPAIR MORTAR. Allow the treatment to cure followed by general washing.

Priming

Prior to application of QUICSEAL 113 Primer C, remove all free water from the surface. Apply 1-2 coats of QUICSEAL 113 at 30-40 minutes time interval between coats. QUICSEAL 571 should be applied as soon as the primer becomes tacky.

Mixing

Sufficient labour and materials should be worked out and prepared prior to installation of QUICSEAL 571.

For small quantities

QUICSEAL 571 may be mixed using a hand held mechanical mixer. Pour the required amount of water into the pail followed by addition of QUICSEAL 571. Mix with a slow speed mechanical mixer for approximately 3 minutes until a lump free homogenous consistency is obtained

For large quantities

QUICSEAL 571 may be mixed using a continuous mixer. Pour the required amount of water into the mixer for mixing followed by QUICSEAL 571. Mix for approximately 3 minutes until a lump free homogenous consistency is obtained. Let the mix stand for approximately 3 minutes and re-stir before use.

Ensure that mixer is washed thoroughly before the next batch.

Application

Discharge the mix onto the primed substrate and spread with a trowel at thickness of minimum **1 mm to maximum 10 mm** in one layer. Roll over the surface using a spiked roller to release any bubbles in the mix

For placement of more than 1 layer, sufficient curing time interval of 2-3 hours is recommended for each subsequent layer, after the previous layer completely cures and hardens. Apply 1 coat of QUICSEAL 113 prior to application of QUICSEAL 571.

Allow the screed to cure for a minimum of 1-3 days (depending on substrate condition) before laying over with floor coverings.

Technical Data

Self Healing Time	10-20 minutes
Pot life @ 27± 2°C:	30 - 45 minutes
Compressive Strength:	
ASTM C 109 : 1992) 1 day	> 14 N/mm ²
3 days	> 18 N/mm ²
7 days	> 28 N/mm ²
14 days	> 32 N/mm ²
28 days	> 35 N/mm ²
Adhesion Strength on concrete (with QUICSEAL 113 Primer)	> 1.0 N/mm ²
Mix Ratio (Water: Powder):	1: 4.3
Ready for foot traffic:	> 4 hours

Note:

*Tested at water / powder ratio= 0.23±0.002

Therefore, 25kg bag of QUICSEAL 571 requires 5.8 litres of water

Packaging

QUICSEAL 571 is available in 25kg bags.

Coverage

1.50kg/m² per mm thickness of QUICSEAL 571

Storage

The shelf life of QUICSEAL 571 is 6 months when stored unopened, and kept in a cool and dry place.

Health & Safety

Avoid eye contact and unnecessary skin contact, as the product is alkaline. Gloves, goggles and dust mask should be worn. Avoid inhalation of dust during mixing. Wash thoroughly after handling. In case of eye contact, flush with plenty of clean water. Seek medical help immediately.

Limitation

1. Do not use for exterior applications or areas where vehicular trafficking is expected
2. Do not apply QUICSEAL 571 if temperature falls below 5°C
3. QUICSEAL 571 must be well cured before covering.

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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