

Q-PRIMER

Two component primer and consolidator in water based emulsion

Description

Q-PRIMER is a two component product composed of:

- component A: mix of pre-polymer epoxide liquids, additives and emulsifiers;
- component B: amine of co.polymerisation, additives and emulgents.

The product has a very high penetration capacity even on wet or freshly cast substrates and, after polymerisation, creates an exceptional consolidation of the cement base. It is, therefore, an excellent starting point for various application cycles.

Range of use

Q-PRIMER can be used as

1. a consolidator and primer

(dilution: 1.8 parts in weight of product (A+B) with 4 parts of water)

For the treatment of:

- new or old concrete;
- plasters, even lime based;
- mortar without cohesion;
- screeds of sand and cement or of calcium sulphate;
- wooden panels.

2. as an anti-evaporator and pore-filler

(dilution: 1.8 parts in weight of product (A+B) with 1.5 parts of water)

For the treatment of:

- new concrete (or old) cast even only 12÷24 hours previously

In both the above cases the various finishers of the Q series should be applied on top of Q-PRIMER from the day after.

Advantages

Q- PRIMER:

- possesses elevated primer and consolidation properties;
- does not contain solvents and thus respects the environment and the operator;
- forms a film permeable to vapour;
- applicable to damp surfaces with temperatures as low as +5°C.

Application

Preparation of the surface

The substrate must be carefully examined so as to be sure that the base is suitable for the chosen cycle of applications.

Depending on the condition of the substrate and the final covering to be laid on Q-PRIMER a choice has to be made on the preparatory treatment to be effected:

- pressure wash with water;
- acid wash;
- sand-paperying;
- diamond-grinding;
- abrasion;
- shot-blasting.

In this way dust, dirt, grease, oil, old glue or varnish, efflorescence, rust, mould, and other foreign and loose material will be removed.

In the case of:

- freshly cast cls floors, after the mechanical floating (usually 12-24 hours after the cast), apply the product with the dilution already selected in the project stage;
- new surfaces in industrial quartz concrete cast some months before. Wash with water or diluted STRIPPER (1 part in weight of product and 5 parts of water) where there are traces of rubber present;

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- old surfaces. Clean well with suitable products to eliminate everything which might prevent the adhesion and penetration of Q-PRIMER (grease, oils, varnish etc.). Normally a wash with STRIPPER and a mechanical brushing, followed by an abundant rinse and aspiration of the washing liquid is sufficient.

Dampness in the substrates

There are no limits in the residual humidity which restrict the casting of Q PRIMER.

Preparation of the product

Like all covering products based on amine epoxides Q-PRIMER should be prepared in a container of a size which takes into account the pot life of the product (40 minutes at a temperature of approx. 23°C).

Mixing

Pour Q-PRIMER comp. B onto comp. A and mix well with a professional blender at low speed.

The blade of the mixer should be suitable for the size of the container (for example, a 15÷20 litre pail uses a blade of approx. 12÷15 cm in diameter).

Next, dilute the already mixed product (A+B) with water as follows:

- as a primer and consolidator dilute 1.8 parts in weight of product A+B with 4 parts of water;
- as an anti-evaporator and pore-filler dilute 1.8 parts in weight of product A+B with 1.5 parts of water.

N.B.: Q-PRIMER can be used as a base for anchorage on concrete surfaces with a humidity between 3 and 4.5%, before the successive covering with epoxide solvent free liquid resins.

Application of the product

Ensure that the temperature of the substrate is at least +5 °C.

Apply with a roller, spray or waxer in one coat.

Only in cases of crumbling screeds or plasters, when an excellent pressure resistance is required and the first coat has not been sufficient, should a second application be made the day after.

Utilisation

As a primer: 50÷100 g/m² of undiluted product (A+B) per coat.

As an anti-evaporator: 110÷140 g/m² of undiluted product (A+B), per coat.

Warning

- 45 minutes after the end of the mixing of the two components interrupt the application as the product will be no longer usable.
- Do not use at temperatures less than +5°C.
- Mix components A and B in the ratio indicated on the packaging. The use of part of the product of the bag means that the operator must amalgamate the two components in the containers before use and to carefully weigh the part removed according to the weight ratio indicated on the label.
- The presence of deposits at the bottom of the pail mean only that the product was not mixed enough.
- Read the Safety Notes.

Features

mass volume (A+B) , UNI 8310	g/cm ³	1.07 ± 0.05
pH (A+B) , UNI 8311	/	9.8
pot-life, UNI 9598	mins	35 ± 10
Surface drying time (*), UNI 8904	hours	2.0 ± 0.5
Application temperature	°C	from +5 to +40
ratio A : B	0.8 : 1.0	

(*) on cement substrate at 23°C.

N.B. the testing method refers to the regulations quoted.

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Packaging and storage

Packaging	1.8 kg (A+B)
Storage	comp. A and B: 24 months in the original packaging in a covered and dry place at temperatures between +5°C e +35°C. Protect from frost.

Legal notice

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Edition

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