

MASTERTOP[®] P 609

(Formerly CONIPOX 609)

A two-component coloured low solvent containing epoxy resin based primer for oil contaminated substrates

DESCRIPTION

MASTERTOP P 609 is a low solvent containing, liquid, filled two-component epoxy primer for oil contaminated or damp substrates.

FIELDS OF APPLICATION

MASTERTOP P 609 is used indoors as a pore and capillary sealing primer on oil-contaminated mineral substrates such as concrete and cement screeds and on substrates where oil is expected to rise by capillary action. It also adheres well to damp substrates i.e. substrates, which have been cleaned by high-pressure water jetting.

FEATURES AND BENEFITS

- exhibits very good adhesion to damp or oil-contaminated substrates
- the strong yellowing which occurs when exposed to UV light does not affect its mechanical properties
- exhibits excellent mechanical properties
- resistant to water, sea and waste water, as well as a variety of alkalis, diluted acids, brine, mineral oils, lubricants and fuels

TYPICAL PERFORMANCE DATA

Shore D hardness	: 75
Tensile strength (7 days cure at 23°C)	
On dry substrate	: > 2 N/mm ²
On damp substrate	: > 1.5 N/mm ²
Compressive strength	: > 1.5 N/mm ²

PROPERTIES

Mix ratio (by weight)	: 100:12
Density	: 2.0 g/cm ³
Mixed viscosity (at 23°C)	: 800 MPas
Pot-life (20 kg unit)	at 12°C : 70 minutes at 23°C : 45 minutes at 30°C : 25 minutes
Re-coating interval/ ready for traffic	at 10°C : Min 36 hours at 23°C : Min 24 hours at 30°C : Min 4 hours
Fully cured/ ready for Exposure to chemicals	at 10°C : 10 days at 23°C : 7 days at 30°C : 3 days

Permissible ambient and substrate temperature

Min.	: 8°C
Max.	: 30°C

The figures provided here are intended as a guide only and should not be used as a basis for specifications.

APPLICATION

Surface preparation

Substrates to be coated have to be firm and load bearing, free of cement laitance and loose or brittle particles. As a rule, mechanical pre-treatment of the substrate by grit or shot blasting, high-pressure water jetting or grinding (including the necessary post-treatment) is mandatory.

Due to the special problems associated with oil-contaminated substrates, we recommend to seek our technical advice if in doubt regarding the correct procedure. Oil-contaminated substrates must first be pre-cleaned with an emulsifying cleaning detergent in accordance with the supplier's instructions. Finally, the concrete or cement screed surface is cleaned using high-pressure water jetting. Excess water is removed from the surface by wet and dry vacuum cleaner. (Waste water must be collected and disposed of in accordance with regulations).

Mixing

MASTERTOP P 609 is supplied in working packs which are pre-packaged in the exact ratio. Before mixing, precondition both A and B components to a temperature of approximately 15 to 25°C. Pour the entire contents of part B into the container of part A.

Do not mix by hand. Mix with a mechanical drill and paddle at a very low speed (approximately 300 rpm) for at least 3 minutes. Scrape the sides and the bottom of the container several times to ensure complete mixing. Keep the mixer blades submerged in the coating to avoid introducing air bubbles. Do not work out of the original container. After proper mixing to a homogeneous consistency, pour the mixed parts, A and B, into a fresh container and mix for another minute.

Placing

Following mixing **MASTERTOP P 609**, it is applied as a primer to the pre-treated damp or oil contaminated substrates with a rubber squeegee. Finally, to improve wetting the material it is carefully brushed into the surface. To improve adhesion, the primer is broadcast with oven dried silica sand, Ø 0.6–1.2 mm. The workability of reactive resins is influenced by the ambient

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and substrate temperature. At low temperatures, the chemical reactions are slowed down; this lengthens the pot-life, re-coating interval and open time. At the same time the viscosity increases which leads to a higher consumption. High temperature accelerates chemical reactions so that the time frames mentioned above are shortened accordingly. To fully cure the material the substrate and working temperature must not fall below the minimum. After application, the material should be protected from direct contact with water for approximately 24 hours (at 20°C). Within this period, contact with water can cause a surface bloom and/or surface tackiness, both of which must be removed.

MASTERTOP P 609 is applied immediately to the matt damp surface (without a water film) before oil still present can rise up to the surface again by capillary action. The material can also be applied to damp substrates, which are not contaminated with oil, as long as no water film is on the surface.

CLEANING

Clean tools and equipment first with paper towels or rags, then wipe using a solvent such isopropanol before the system hardens.

ESTIMATING DATA

The consumption of **MASTERTOP P 609** is ranging from 0.6 to 1.0 kg/m² depending on the condition and porosity of the substrate. Oven dried silica sand Ø0.6 to 1.2 mm should be broadcast at approximately 1.5 to 2.0 kg/m². Avoid excess silica sand.

The above consumption figures are intended as a guide only and may be higher on very rough or porous substrates.

PACKAGING

MASTERTOP P 609 20.0kg/set

SHELF LIFE

All components in **MASTERTOP P 609** can be kept for 12 months in original unopened packing, if stored in a dry enclosed place without exposing to direct sunlight and at temperature between 15 to 25°C.

PRECAUTIONS

For detailed Health, Safety and Environmental Recommendations, please consult and follow all instructions on the product Material Safety Data Sheet.

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STATEMENT OF RESPONSIBILITY

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NOTE

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