

MasterTop P 604

Two-component pre-loaded epoxy primer for creating floors and waterproofing of the epoxy, polyurethane type of the MasterTop and MasterSeal lines.

DESCRIPTION AND APPLICATION FIELD

Two-component, low viscosity, yellowish preloaded epoxy primer.



MAIN FIELDS OF APPLICATION

MasterTop P 604 is specially formulated to create the base layer on mineral substrates such as cement screeds or concrete before applying the polyurethane and epoxy coatings of the MasterTop line or the polyurethane and polyurea waterproofing systems of the MasterSeal line.

FEATURES

MasterTop P 604 has the following peculiarities:

- penetrates into the substrate saturating its porosities allowing to obtain a high adhesion of the system;
- complies with EU directive 2004/42 / EG (guidelines on solvents): in fact, it has a content lower than the maximum limit allowed for VOCs (volatile organic compounds) (phase 2, 2010). According to EU directive 2004/42, the maximum permitted VOC content for Product Category IIA / j type sb is 500 g / l (limit: phase 2, 2010).

In compliance with the European Regulation (EU No 305/2011 and EU No. 574/2014) the product is provided with the CE marking according to UNI EN 13813 and the relative DoP (Declaration of Performance).

THEORETICAL COVERAGE

0.3 - 0.5 kg / m².

In the case of very porous substrates, a second coat is recommended for an additional consumption of 0.2 - 0.4 kg / m².

PACKAGING

A + B = 30 kg (A 23.6 kg, B 6.4 kg).

STORAGE

Store the material in the original containers, in a dry and covered place at a temperature between 15 and 25°C. Do not expose to direct sunlight.

Technical data	
Mixing ratio	100 A / 27 B
Density at 20°C	ca 1,44 kg/liter
Kinematic viscosity	ca. 1100 mPa·s
Workability time	12°C: 60 min 23°C: 30 mi 30°C: 15 min
Maximum relative humidity	10°C: 75% 23°C: 85%
Recoating time	10°C: 16 – 48 h 23°C: 6 – 48 h 30°C: 3 – 24 h

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APPLICATION SHEET

CHARACTERISTICS OF THE SUPPORT

The cementitious substrate must have a minimum compressive strength class C20 / 25 for concrete according to UNI EN 206/1 and C25 for cementitious screeds CT according to UNI EN 13813.

In the case of screeds of other chemical nature required by UNI EN 13813, such as those based on calcium sulphate CA or magnesite MA or other types, contact the technical service of Master Builders Solutions for further information.

SUPPORT REPAIR AND LEVELING

Before applying the coating, it is essential to check that the concrete surfaces to be protected are not degraded and / or contaminated by oils, greases or other substances, in which case the incoherent and contaminated concrete must first be removed and then restored with MasterTop 514 QD.

PREPARATION OF THE SUPPORT

The surface must be prepared by shot peening. Other specific techniques can also be used in specific cases (the choice of the same is to be evaluated following a site visit). Dust the surface before proceeding with the application of the primer, which tolerates a maximum humidity of the substrate of 4%.

HUMIDITY AND CAPILLARY RISING

The systems in which MasterTop P 604 is used cannot be applied directly to surfaces that are damp and / or without a vapor barrier or subject to rising damp.

In such situations it is necessary to provide for the application of the specific primer MasterSeal P 385 at a rate of 1.5 kg / m² or of MasterTop 514 QD in the epoxy-cement version (3K) for a minimum thickness of 3 mm.

TEMPERATURE

MasterTop P 604 must be applied when the ambient temperature (minimum 8°C and maximum 30°C) remains constant or is decreasing, since this device reduces the risk of "blowing" linked to the escape of air present in the pores. of concrete.

In addition, this temperature must always be 3°C above the dew point from the time of application and for at least the next 24 hours (at 15°C).

MIXING

Before mixing, bring components A and B to a temperature between 15 and 25°C. Pour the entire contents of part B into the container of part A. Hand mixing is not allowed. Mix with an electric propeller mixer at very low speed (approx. 300 rpm) for not less than 3 minutes. Scrape the sides and bottom of the container several times until completely mixed. The mixer blades must always be immersed in the product to avoid introducing air bubbles. Mix the material only inside the original container. Once a homogeneous consistency is obtained, pour the resin into a new container and then mix for another minute.

APPLICATION

After mixing, apply MasterTop P 604 on the substrate by distributing it with a rubber squeegee and finishing it with a roller. On the still "fresh" primer, sow with MasterTop F 5 filler at a rate of 0.8 - 1 kg / m². Excess filler must be removed when the material has hardened, with an industrial vacuum cleaner or with a broom. In the case of application as a smoothing layer, the installation is carried out with a trowel with the material obtained by adding to the resin a quantity of MasterTop F 1 filler in the ratio of 50-80% of the weight of the resin. After application, protect the material from contact with water for at least 24 hours at 20 ° C. Any premature contact with water leads to the formation of light spots (formation of carbamate) and / or to a sticky system that affects the adhesion of subsequent products.

TOOL CLEANING

Tools used for mixing and applying epoxy materials can be cleaned with epoxy thinner.

APPLICATION MANUAL

For every detail relating to the application aspects, always refer to the specific document "MasterTop Industrial Floors Application Manual".

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SAFETY INSTRUCTION

For information on the correct and safe use, transport, storage and disposal of the product, consult the most recent Safety Data Sheet.

OTHER SERVICES

For price analysis, specifications, supplementary brochures, references, reports and technical assistance, visit the website www.master-builders-solutions.com/it-it or contact infomac@mbcc-group.com.

Scan the QR code to visit the product page and download the latest version of this datasheet.



Since 16/12/1992, Master Builders Solutions Italia Spa has been operating under a Certified Quality System compliant with the UNI EN ISO 9001 Standard. Furthermore, the Environmental Management System is certified according to the UNI EN ISO 14001 Standard and the Safety Management System is certified according to the UNI ISO 45001 Standard.

Master Builders Solutions Italia Spa

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This version supersedes all the previous ones.