

MasterTop[®] P 920

Scratch coat primer based on Xolutec technology

DESCRIPTION

MasterTop P 920 is a multi-component, odourless easy to apply scratch coat priming system based on Xolutec technology.

MasterTop P 920 is not a finished floor and needs to be overlaid by the **MasterTop BC 920** to complete the flooring system.

MasterTop P 920 is used as a scratch coat in **MasterTop XTC** system.

Xolutec[™]

A new dimension in versatility & durability

MasterTop P 920 is powered by **Xolutec[®]** - our unique technology developed for improved durability, to solve the problems of demanding environment.

Xolutec[®] is the result of our development work on advancing PU and PUA materials. The goal is to solve the problems of concrete and steel in demanding environments.

Xolutec[®] - developed by Master Builders Solutions experts – uniquely combines complementary chemistries. Optimization of the inter phase interactions between the highly crosslinked resin blocks and the separately cured inorganic elements, creates a high density organic-inorganic material with outstanding characteristics. This network allows the enhancement of various characteristics. **Xolutec[®]** enables a wide variety of solutions with enhanced durability.

TYPICAL APPLICATIONS

MasterTop P 920 is recommended as a scratch coat primer before application of body coat **MasterTop BC 920**.

ADVANTAGES

- **Odourless** - Environment friendly & comfortable application
- **Moisture tolerant** - Faster application; can be applied on 10-day old concrete
- **Low overcoat time** – Can be overlaid with body coat in 4 hours @ 25°C
- **Good sealing properly** – Seals the substrate effectively

PACKAGING

MasterTop P 920 consists of three components.

Part A	4.0 kg
Part B	5.25 kg
Part C	7.5 kg

TYPICAL PROPERTIES*

Mixed density @ 25°C	1.70 ~ 1.75 kg/L	
Pot life @ 25°C	Approx. 15 min	
Overcoating time @ 23°C	Min	Max
	4 h	48 h
Pull-off bond strength @ 7D ASTM D4541 (Concrete failure)	> 1.5 MPa	

APPLICATION GUIDELINES

SURFACE PREPARATION

Substrate concrete must be sound, free of dust, dirt, grease, paint, plaster or other debris. Damaged areas must be repaired. Honeycombing or small cavities may be repaired using suitable cementitious repair mortars.

The method of surface preparation will be dictated by the size of area to be treated, location and degree of contamination.

New construction

Floors to be coated or overlaid should be at least 10 days old. The removal of laitance and contaminants is best achieved by mechanical means such as vacuum recovery shot blasting.

Mechanical means of preparation are preferred followed by the removal of dust and other loose debris using an industrial vacuum.

MIXING

MasterTop P 920 is supplied in three components.

1. Mix Part A with high-speed electric drill for 1 to 2 minutes until material becomes fully homogeneous without lumps. Ensure no material is settled at the bottom of the pail.

MasterTop[®] P 920

2. Empty Part B in a separate clean mixing bucket. Whilst mixing with high-speed electric drill add premixed Part A.
3. Mix for 0.5 ~ 1 minute making sure to reach the bottom and sides of the can. Continue mixing for 0.5 ~ 1 minute to produce a fully blended, uniform material without colour streaks.
4. Gradually add Part C whilst mixing continues; mix until the filler is uniformly dispersed, and the mix is uniform, typically 1 -2 minutes.
5. It is important to maintain constant mixing times throughout to ensure consistent colour and to avoid introducing excessive air into the system.

PLACING / APPLICATION

MasterTop P 920 shall be applied to the prepared concrete substrate at a consumption rate of 1.2 – 1.5 kg/m² using steel trowel. For highly porous substrate, it is recommended to apply the scratch coat in two layers keeping the total consumption rate of 1.2 – 1.5 kg/m². This will ensure proper sealing of the substrate and blemish free surface of body coat. The scratch coat shall be allowed to dry completely to achieve a tack free surface before overcoating with **MasterTop BC 920**.

Temperature Requirements

- Substrate temperatures: 10°C - 30°C
- Material temperatures: 10°C - 25°C

Very low or very hot temperatures will make application more difficult and careful consideration should be given to storage of materials. In the cold weather conditions, pre-condition materials by keeping it in a heated room. In hot weather conditions, some form of air-conditioned storage is required. Pre-conditioned materials at 18-25°C will reduce the possibilities of flash/slow setting and other defects.

Substrate Quality

Concrete substrates should be visibly dry and have a minimum tensile strength of 1.5 MPa. The minimum compressive strength of the concrete floor shall be 25 MPa at 28 days. All joints in the substrate concrete subject to movement should be reflected through the **MasterTop** floor and sealed with a suitable sealant.

For information about application, please obtain a copy of the Master Builders Solutions Application Guide from your local representative.

COVERAGE / YIELD

Actual consumption of **MasterTop P 920** depends on the surface absorption, texture, loss and wastage. The following minimum consumption rates shall be strictly adhered to achieve designed performance properties.

Layer	Consumption kg /m ²
Scratch coat	1.2 - 1.5

STORAGE AND SHELF LIFE

MasterTop P 920 has a shelf life of 12 months. Store out of direct sunlight, clear of the ground on pallets protected from rainfall.

MasterTop[®] P 920

HEALTH AND SAFETY

For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the Master Builders Solutions Material Safety Data Sheet (MSDS) from our office or our website.

QUALITY AND CARE

All products originating from Master Builders Solutions Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational Health & Safety standards ISO 9001 and ISO 14001.

* Properties listed are based on laboratory controlled tests.

® = Registered trademark of the MBCC Group in many countries.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

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