

# MasterProtect® HB 200LR

High-reflective anti-carbonation coating for the interior of parking structures

## DESCRIPTION

High-reflective anti-carbonation coating for the protection of interior walls, columns, soffits and ceilings in interior parking structures.

## TYPICAL APPLICATIONS

- Parking structures
- Concrete
- Brick
- Stucco
- Block
- Primed wood or metal
- Interior ceilings and vertical surfaces, including walls, beams, and columns

## ADVANTAGES

- Water based
- VOC compliant
- High light reflectivity
- Low dirt pickup
- Excellent anti-carbonation properties
- Low dirt pick-up
- Low odour
- Environmentally friendly
- Enhances the security of garages
- An economical alternative to additional lighting
- Maintains attractive appearance
- Extends concrete life expectancy

## PACKAGING AND COLORS

**MasterProtect HB 200LR** is supplied in 18.93 L and available in Bright White.

## TYPICAL PROPERTIES\*

Density ASTM D1475	1.27 kg/L
Solids by volume ASTM D5201	>45%
Light Reflectivity	88%
Tensile Strength, ASTM D412	>8 N/mm <sup>2</sup>
Elongation at break, ASTM D412	35%

## APPLICATION GUIDELINES

### SURFACE PREPARATION

1. Concrete must be fully cured (28 days), structurally sound, clean and sound.
2. Mildew and fungus must be completely removed before the application of **MasterProtect HB 200LR**. Wash surfaces vigorously with a solution of 0.125 L of detergent and 0.25 L of liquid bleach in 3.785 L of water. Rinse thoroughly with clean water. Pressure clean (minimum 2,100 psi) to remove all dust, dirt, grease, oil, loose particles, laitance, foreign materials, release agents, peeling and defective coatings, and chalk.
3. Allow surface to dry a minimum of 24 hours before proceeding.

### PRIMING

Highly chalky surfaces must be properly cleaned, and they require an appropriate primer, such as **MasterKure 101**, **MasterKure 181** white or **MasterTile P 302**.

Prior to priming, blow holes may be filled with **MasterProtect FL 200**.

## PLACING / APPLICATION

### Brush

Use a stiff-fiber or nylon short-bristled brush. On open-textured surfaces, thoroughly work the coating into the pores of the surface to fill completely. Flow the coating onto the surface using straight strokes.

### Roller

Using a fully loaded 13-19 mm nap roller, apply the coating to the surface in a uniform manner. Do not over roll.

### Spray

For spray equipment recommendations, contact the equipment manufacturer.

### Drying time

Drying time is 2-4 hours at 21°C and 50% relative humidity.

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## For best performance

- Apply in two coats
- Apply a 1.2 m by 1.2 m test area to verify acceptable color, texture, and adhesion before proceeding with any project
- Not for use as a wearing surface
- Apply at temperatures above 4°C
- Highly porous surfaces require a primer (see priming section)
- Protect unused containers from freezing
- Do not apply over fresh concrete; allow to fully cure at least 28 days
- Do not apply to damp, frozen, or frost-covered surfaces
- Proper application is the responsibility of the user. Field visits by Master Builders Solutions personnel are for the purpose of making technical recommendations only, and are not to supervise or provide quality control on the job site

## CLEANING

Clean **MasterProtect HB 200LR** from brushes, rollers, and tools with water and mild detergent immediately after use.

## COVERAGE / YIELD

Concrete (precast and cast in place):

0.25-0.3 L / m<sup>2</sup>

Concrete block, brick, or stucco:

0.25-0.4 L / m<sup>2</sup>

Coverage rates will vary with the texture and porosity of the substrate. Test applications or actual job-site substrate samples will determine the actual rate.

## STORAGE AND SHELF LIFE

Shelf life is 12 months when stored in unopened containers under normal conditions. Protect **MasterProtect HB 200LR** from freezing in the container; do not store below 2°C.

## HEALTH AND SAFETY

KEEP OUT OF THE REACH OF CHILDREN. Avoid contact with eyes, skin and clothing. Use with adequate ventilation. DO NOT take internally. Wash thoroughly after handling. Use impervious gloves, eye protection and if the TLV is exceeded or if used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with federal, state and local regulations. Keep container closed when not in use.

### First aid

Eye contact, flush thoroughly with water for at least 15 minutes. SEEK MEDICAL ATTENTION. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, or if swallowed, SEEK IMMEDIATE MEDICAL ATTENTION. Refer to Material Safety Data Sheet (MSDS) for further information.

### Caution

**MasterProtect HB 200LR** contains propylene glycol, calcium carbonate, titanium dioxide, kaolin clay, zinc oxide, silicon dioxide

### Risks

May cause eye, skin or respiratory irritation. Ingestion may cause irritation. INTENTIONAL MISUSE BY DELIBERATELY INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

# MasterProtect<sup>®</sup> HB 200LR

## 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.

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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

Field service where provided does not constitute supervisory responsibility. Suggestions made by Master Builders Solutions either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions, are responsible for carrying out procedures appropriate to a specific application.

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