

MasterEmaco® P 160

Penetrating epoxy sealer

FORMERLY NITOPRIME® 60

PACKAGING

- 1 GAL (3.8 L) KITS
- Part A: ¾ gal (2.83 L) can
- Part B: ¼ gal (0.94 L) can

YIELD300 – 400 ft²/gallon (7.3–9.8 m²/L)**STORAGE**

Store and transport in unopened containers in a cool, clean, dry area. Keep from freezing.

SHELF LIFE

2 years when properly stored

VOC CONTENT

0 g/L less water and exempt solvents

DESCRIPTION

MasterEmaco P 160 is a two-component 100% solids penetrating epoxy sealer. It is designed to prime concrete and masonry before the application of Master Builders Solutions epoxy liners.

PRODUCT HIGHLIGHTS

- Ultra-low viscosity allows for deep penetration into substrates
- Seals concrete pores to reduce potential for outgassing and pinholing in top coats
- Extended pot life increases working time
- Penetrating sealer improves adhesion of topcoats to substrate
- Prepackaged kits allow for easy mixing and application
- Compatible with Master Builders Solutions epoxy liners
- 100% solids for zero VOCs

APPLICATIONS

- Horizontal and vertical
- Interior and exterior
- Before application of epoxy liners, such as MasterProtect® 100CR and MasterProtect 170 CR
- Manhole applications

SUBSTRATES

- Master Builders Solutions spray mortars, such as MasterEmaco S 488 CI
- Concrete
- Masonry

HOW TO APPLY**SURFACE PREPARATION**

1. Fully cured (28-day) concrete substrate can be dry or damp with no standing water.
2. Remove all grease, oil, chemical contamination, dust, laitance, and loose concrete by mechanical profiling to ICRI CSP 4 to provide a sound substrate. Complete all repairs and allow to reach load-bearing strength.
3. MasterEmaco P 160 has been specially tested for application over MasterEmaco S 488 CI. Wait for MasterEmaco S 488 CI to cure 6 hours at 70° F (21° C) before applying MasterEmaco P 160. To improve adhesion, brush MasterEmaco S 488 CI with a stiff-bristled broom before applying MasterEmaco P 160.

MIXING

1. Mix Part A and Part B at low speed for 3 minutes with a Jiffy mixing paddle until a uniform amber color is achieved.
2. Scrape the sides of the mixing container to ensure correct mixing ratios from one batch to another.
3. Do not thin these materials.

APPLICATION

1. Brush, spray, or roll the mixed MasterEmaco P 160 onto the prepared concrete surface. Avoid puddling in low spots. For spray applications, use airless spray equipment.

Technical Data

Composition

MasterEmaco P 160 is a two-component 100% solids penetrating epoxy.

Typical Properties

PROPERTY	VALUE
Solids, % , by volume	100
Mix ratio , by volume, A to B	3 to 1
Weight/gallon , mixed, lbs	8.4
Mixed viscosity , cps	
50° F (10° C) and 50% rh	100
75° F (24° C) and 50% rh	80
100° F (38° C) and 50% rh	60
Pot life , hrs	
50° F (10° C) and 50% rh	6
75° F (24° C) and 50% rh	4
100° F (38° C) and 50% rh	2
Tack-free time , hrs	
50° F (10° C) and 50% rh	12
75° F (24° C) and 50% rh	3 to 5
100° F (38° C) and 50% rh	2.5 to 3

All application and performance values are typical for the material but may vary with test methods, conditions, and configurations.

- MasterEmaco P 160 is fully absorbed within 45 minutes. For porous or aged concrete, apply a second application when the first is fully absorbed.
- Apply Master Builders Solutions epoxy liners, such as MasterProtect 100 CR and MasterProtect 170 CR, after the primer is tack free. If the primer surface becomes contaminated, sand it and reapply MasterEmaco P 160. The maximum recoat time is 72 hours.

CLEAN UP

- Clean equipment with xylene immediately after use.
- Clean hands and skin immediately with soap and water, industrial hand cleaners, or appropriate solvent.
- Cured material must be removed mechanically.

FOR BEST PERFORMANCE

- Do not use this product without a topcoat.
- Do not allow puddling in low spots.
- Do not apply if the air, substrate, or material temperature is below 50° F (10° C) or expected to fall below 50° F (10° C) within 12 hours.
- Do not apply if temperature exceeds 110° F (43° C), high temperatures will significantly reduce the pot life.
- Do not break down kits; use full units only.
- For professional use only; not for sale to or use by the general public.
- Make certain the most current versions of product data sheet and SDS are being used; visit master-builders-solutions.basf.us to verify the most current version.
- Proper application is the responsibility of the user. Field visits by BASF personnel are for the purpose of making technical recommendations only and are not for supervising or providing quality control on the jobsite.

HEALTH, SAFETY AND ENVIRONMENTAL

Read, understand and follow all Safety Data Sheets and product label information for this product prior to use. The SDS can be obtained by visiting www.master-builders-solutions.basf.us, e-mailing your request to basfbcsst@basf.com or calling 1(800)433-9517. Use only as directed.

**For medical emergencies only,
call ChemTrec® 1(800)424-9300.**

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