

PRODUCT DATA

3 03 01 00 **Maintenance of
Concrete**

NITOPRIME 60

Penetrating epoxy sealer

Description

Nitoprime 60 is a two-component 100% solids penetrating epoxy sealer. It is designed to prime concrete and masonry before the application of epoxy liners and polyurea top coats.

Yield

300 – 400 ft²/gallon (7.3 – 9.8 m²/L) over cementitious substrates, depending on substrate porosity.

Packaging

1 gallon (3.7 L) kits, containing
3/4 gallons (2.8 L) Part A in 1 gallon
(3.79 L) cans
1/4 gallons (0.9 L) Part B in 1 quart
(0.9 L) cans

Color

Clear amber

Shelf Life

2 years when properly stored

Storage

Store in unopened containers at
60 to 80° F (16 to 27° C) in clean, dry
conditions.

Features

- Ultra-low viscosity
- Seals concrete pores
- Extended pot life
- Penetrating sealer
- Prepackaged kits
- Compatible with MBT epoxy, polyurea, and polyurethane topcoats
- 100% solids

Benefits

- Penetrates deep into substrates
- Reduces potential for outgassing and pinholing in top coats
- Increases working time
- Helps improve adhesion of topcoats to substrate
- Easy to mix and apply
- Versatile uses
- Zero VOCs

Where to Use

APPLICATION

- Before application of epoxy liners, such as Sewer Guard® HBS 100 and Novolac AR 170
- Manhole applications

LOCATION

- Vertical and horizontal substrates
- Interior and exterior surfaces

SUBSTRATE

- Over MBT spray mortars, such as SP 15
- Over cast-in-place or pre-cast concrete
- Over 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. Nitoprime 60 has been specially tested for application over SP15 Spray Mortar. Wait for SP 15 Spray Mortar to cure 6 hours at 70° F (21° C) before applying Nitoprime 60. To improve adhesion, brush SP15 Spray Mortar with a stiff-bristled broom before applying Nitoprime 60.

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.

Technical Data

Composition

Nitoprime 60 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	5
100° F (38° C) and 50% rh	3

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

Application

1. Brush, spray, or roll the mixed Nitoprime 60 onto the prepared concrete surface. Avoid puddling in low spots. For spray applications, use airless spray equipment.
2. Nitoprime 60 is fully absorbed within 45 minutes, depending on the porosity of the substrate. For porous or aged concrete, apply a second application when the first is fully absorbed.
3. Apply MBT epoxy liners, such as Sewer Guard® HBS 100 and Novolac AR 170, after the primer is tack free. If the primer surface becomes contaminated, sand it and reapply Nitoprime 60. The maximum recoat time is 72 hours.

Clean up

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

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.
 - Store Part A and Part B in a dry area between 60 and 80° F (16 and 27° C) for 24 hours before using.
 - Do not break down kits; use full units only.
 - Do not allow the product to freeze. Keep containers tightly closed.
- Make certain the most current versions of product data sheet and MSDS are being used; call Customer Service (1-800-433-9517) 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 not for supervising or providing quality control on the job site.

Health and Safety

NITOPRIME 60 PART A

Warning

Nitoprime 60 Part A contains epoxy resin, glycidyl ester of neodecanoic acid, and benzyl alcohol.

Risks

May cause skin, eye and respiratory irritation. May cause dermatitis and allergic responses. Potential skin and/or respiratory sensitizer. Ingestion may cause irritation. Reports associate repeated or prolonged occupational overexposure to solvents with permanent brain, nervous system, liver and kidney damage. INTENTIONAL MISUSE BY DELIBERATELY INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

Precautions

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

First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Remove and wash contaminated clothing. 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.

Proposition 65

This product contains materials listed by the state of California as known to cause cancer, birth defects, or other reproductive harm.

VOC Content

0 lbs/gal or 0 g/L, less water and exempt solvents, when mixed and applied according to BASF instructions

NITOPRIME 60 PART B

Danger—Corrosive

Nitoprime 60 Part B contains N,N'-bis(1,3-dimethylbutylidene)ethylenediamine, tertiary amine, ethylenediamine, benzyl alcohol, diethylenetriamine, bisphenol-A, and methyl isobutyl ketone.

Risks

Combustible liquid and vapor. Contact with skin or eyes may cause burns. Ingestion may cause irritation and burns of mouth, throat and stomach. Inhalation of vapors may cause irritation. May cause dermatitis and allergic responses. Potential skin and/or respiratory sensitizer. Repeated or prolonged contact with skin may cause sensitization. Reports associate repeated or prolonged occupational overexposure to solvents with permanent brain, nervous system, liver and kidney damage. INTENTIONAL MISUSE BY DELIBERATELY INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

Precautions

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

First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Remove and wash contaminated clothing. 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.

Proposition 65

This product does not knowingly contain materials listed by the state of California as known to cause cancer, birth defects, or other reproductive harm.

VOC Content

0 lbs/gal or 0 g/L, less water and exempt solvents, when mixed and applied according to BASF instructions

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

**BASF Construction Chemicals, LLC –
Building Systems**

889 Valley Park Drive
Shakopee, MN, 55379

www.BuildingSystems.BASF.com

Customer Service 800-433-9517
Technical Service 800-243-6739



LIMITED WARRANTY NOTICE Every reasonable effort is made to apply BASF exacting standards both in the manufacture of our products and in the information which we issue concerning these products and their use. We warrant our products to be of good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, **BASF MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS,** and BASF shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing within one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. Any authorized change in the printed recommendations concerning the use of our products must bear the signature of the BASF Technical Manager.

This information and all further technical advice are based on BASF's present knowledge and experience. However, BASF assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights. In particular, BASF disclaims all **CONDITIONS AND WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. BASF SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND.** BASF reserves the right to make any changes according to technological progress or further developments. It is the customer's responsibility and obligation to carefully inspect and test any incoming goods. Performance of the product(s) described herein should be verified by testing and carried out only by qualified experts. It is the sole responsibility of the customer to carry out and arrange for any such testing. Reference to trade names used by other companies is neither a recommendation, nor an endorsement of any product and does not imply that similar products could not be used.

For professional use only. Not for sale to or use by the general public.

Form No. 1023728 8/07

Printed on recycled paper including 10% post-consumer fiber.

© 2007 BASF

Printed in U.S.A.