LAHALT
POWERFUL INDUSTRIAL COATINGS

# POWERFLEX 111

## PRODUCT DESCRIPTION

Powerflex 111 is a two-components 100% solid Polyurethane primer. It can be used as a high-performance elastomeric primer on concrete as well as on steel.

## PRODUCT FEATURES

- No induction time
- 100% solid
- Excellent adhesion to blasted steel or concrete
- Low viscosity odorless
- Fresh and salt water resistant
- Pinhole and bubble free surface
- Applied by spray, roller, squeegee or brush
- Surface tolerant
- Long working time
- Can be recoated with itself

## TYPICAL USES

- Bridge deck
- Concrete and steel primer
- Industrial flooring
- Chemical plants and refineries
- Water and wastewater treatment

## TECHNICAL DATA

| | |
|---|---|
| **Colors:** | Clear |
| **Solids by volume:** | 100% |
| **Solids by weight:** | 100% |
| **Dry film thickness:** | |
| **Concret:** | 8 - 10 mills<br>200 – 250 microns |
| **Steele:** | 3 - 5 mills<br>75 – 125 microns |
| **VOC:** | none |

| **Drying times 77°F (25°C)** | |
|---|---|
| **Tack free :** | 2 hours |
| **To recoat:** | 2 hours |
| **Hard** | 16 hours |
| **Pot life:** | 30 min. after mixing @ 77°F (25°C) Higher temps will shorten pot life |
| **Reduction solvent (if necessary):** | UC-500 |
| **Dilution:** | 10% by volume |
| **(if necessary) Catalyst:** | 111C |
| **Mixing Ratio:** | 1:1 volume |
| **Shelf Life:** | 12 months @ 77°F (25°C) unopened |
| **Packaging:** | 1 US gallon (3.78L)<br>5 US gallon (18.93L) |

## APPLICATION GUIDE

## SURFACE PREPARATION

Remove all detrimental foreign matter such as oil, grease, dirt, salt in accordance with SSPC-SP-1 ”solvent cleaning ”. Remove any loose paint. For new and existing steel surfaces: direct to metal coatings achieve maximum performance over near white blasted surfaces in accordance with SSPC-SP-10. The minimum surface preparation for non –immersion service is SSPC-SP-6 and for immersion service the minimum standard is SSPC-SP-10. If the surface remains very rusty use one component moisture cure polyurethane primer. **Concrete:** A 28 day cure is usually required for all freshly placed concrete.Recommendation table.



Lahalt LLC
1926 Rankin Rd., Suite 110
Houston, Texas 77073

Phone: 281.209.2110
Fax: 844.828.3350
www.lahalt.com

LAHALT
POWERFUL INDUSTRIAL COATINGS

# POWERFLEX 111

## APPLICATION PROCESS

Can be applied by spray, squeegee, roller or brush. Apply at a rate of 150 to 200 square feet per gallon on concrete.
**Plural pump mix :** Use a 1 :1 plural component pump with impingement spray gun or with a static mixer.
**MIXING AND THINNING:** Measure and mix only the quantity of material you will have the time to install within 20 minutes.
**Reduction solvent:** UC-500 (10% by volume if necessary) **Catalyst:** 111C
**Dilution:** Not required **Mixing ratio:** 1:1
Mix component A and B together with mechanical mixer for 2 minutes until homogeneous mix.

| | | Recaoting Time |
|---|---|---|
| **Substrate temperature** | | |
| **50°F - 68°F (10°C - 20°C)** | | |
| **69°F-95°F (20°C-35°C)** | | |

❖ Meets Requirements for ASTM D6083 Acrylic Elastomeric Roof Coating

## PRODUCT LIMITATIONS

- Thinner can be added depending on local voc and air-quality regulatoins
- Chalking will occur under ultraviolet conditions
- Minimum curing temperatures limited to 41°F (5°C)

See the material safety data sheet and product label for complete safety and precaution requirements.

**DISCLAIMER:**
**"The following is made in lieu of all warranties, expressed or implied: Manufacturer's obligation shall be to replace such quantity of the product proven to be defective. The manufacturer shall not be liable for any injury, loss or damage, direct or incidental or consequential, arising out of the use of or the inability to use the product. Before using, the user shall determine the suitability of the product for the intended use and the user assumes all risk and liability whatsoever in connection therewith. All values shown are approximations. Values indicated are for guide purposes only, as actual values can change due to application conditions, application methods, environmental conditions etc. The information contained herein is subject to change without notice. Consult your representative for a current data sheet. The foregoing may not be altered except by an agreement signed by the officers of the manufacturer."**

LAHALT
POWERFUL INDUSTRIAL COATINGS

Lahalt LLC
1926 Rankin Rd., Suite 110
Houston, Texas 77073

Phone: 281.209.2110
Fax: 844.828.3350
www.lahalt.com