



IPA SYSTEMS

DURIPAL

Penetrating Surface Hardener \ Conditioner



IPA SYSTEMS

QUALITY PRODUCTS FOR THE CONCRETE /MASONRY REPAIR INDUSTRY

Description

DURIPAL is a clear, odorless, inorganic liquid polymer that hardens and densifies both fresh and aged concrete.

Where to Use

DURIPAL chemically cures, seals, hardens, and dustproofs interior, exterior, vertical or horizontal concrete substrates. Chemically hardens and densifies dusty concrete surfaces when dusting is caused by osmotic effect resulting in unhydrated cement.

Advantages

- ◆ Made in America
- ◆ Improves hardness and abrasion resistance to concrete
- ◆ Reduces and minimizes efflorescence
- ◆ Dustproofs concrete surfaces
- ◆ Economical and easy to apply

Coverage

Hard Troweled Finish: 400 - 600 sq ft / gal 9.8 - 14.7 sq m/ L
 Broom or Float Finish: 300 - 400 sq ft / gal 7.4 - 9.8 sq m/ L
 Rough Slab Finish: 200 - 300 sq ft / gal 4.9 - 7.4 sq m/ L
 Vertical Substrates: 400 - 500 sq ft / gal 9.8 - 12 sq m/ L

Packaging

Available in 1 gallon (3.79 L), 5 gallon (18.93 L) and 55 gallon (208.18 L) containers.

Technical Data

Color: Clear
 Odor: None
 Flash Point: None
 Solids by weight: 12.8%
 Toxicity: None in normal use
 Drying time: 45 min at 72° F (22° C)

Surface Prep

Surface to be treated must be cleaned of any film, scale, loose material, oils, grease, dust, dirt, laitance, efflorescence, oil-based curing membranes or form release agents, paint, unsound concrete and any other material that will prevent penetration.

Application

Apply either with spray, brush or roller. It is important that only as much **DURIPAL** as the surface will readily absorb is applied. Do not apply more **DURIPAL** than the surface can absorb. Remove any excess solution before it crystallizes on the surface. To prevent formation of a white film, limit application so that no free **DURIPAL**, characterized by a shiny appearance, remains on the treated surface.

Limitations

- ◆ Minimum material, surface and ambient temperature must be 40°F (7°C) and rising
- ◆ Do not apply to a frozen surface or allow material to freeze
- ◆ Test application should be performed on all substrates before full application.
- ◆ Avoid contact with glass, brick or aluminum
- ◆ Keep traffic off floor 4-8 hrs after application.

IPA SYSTEMS, INC

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Precautions

All glass surfaces must be protected from contact with **DURIPAL** to prevent etching. Must be applied to a clean, dry, sound surface. **DURIPAL** cannot penetrate materials saturated with water. However, if saturated surfaces are permitted to dry out they may be successfully treated. Saturated surfaces or surfaces which do not absorb water by capillary action will not absorb **DURIPAL**. To prevent formation of a white film, limit application so that no free **DURIPAL**, characterized by a shiny or slick appearance, remains on the treated surface. Avoid applying **DURIPAL** to over 100°F (38° C) surfaces. **DURIPAL** reacts more quickly in the presence of heat. Surfaces heated by the sun must not be treated while still hot or the **DURIPAL** will polymerize before penetrating. **DURIPAL** must be stored at temperatures above freezing.

Clean-up

Clean equipment with water and a mild detergent.

Caution

FOR INDUSTRIAL USE ONLY:

In accordance with federal regulations, do not apply unless Material Safety Data Sheet (MSDS) is available on-site. Consult MSDS before using this product. Product is highly alkaline. If contact with eyes or skin occurs, flush immediately with copious amounts of water and contact a physician. If swallowed, induce vomiting and CONTACT A PHYSICIAN IMMEDIATELY.

Warranty

This product is warranted and guaranteed to be of good quality. Manufacturer, as its sole and exclusive liability hereunder, will replace material if proved defective. This warranty and guarantee are expressly in lieu of all others, express or implied, including any implied warranty of merchantability or fitness for a particular purpose and may not be extended by representatives or any persons, written sales information, or drawing in any manner whatsoever. While the manufacturer recommends uses for the product based on tests believed reliable, no warranties, express or implied, or guarantee can be given as to particular methods of use or application, nor can performance be warranted, expressly or impliedly, or guaranteed under special conditions. Distributors, salesperson or company representatives are not authorized to extend or vary any warranties or guarantees beyond those outlined herein nor may the manufacturer's or seller's limitation of liability be waived or altered in any manner whatsoever.

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