



DURIPAL

Impregnating Liquid Used To Consolidate Mineral Building Materials and To Encapsulate Deleterious Salts

Product Specifications:

DURIPAL is a low-viscosity liquid based on soluble alkali silicate compounds and characterized by excellent capillary penetration.

Areas of Application:

DURIPAL is used to consolidate and stabilize mineral-based building materials such as mortar, concrete, brick, plaster and natural stone. It will encapsulate and passivate deleterious salts such as sulphates, nitrates, chlorides, etc.

Action (Properties):

Once applied, DURIPAL will convert any free lime within the material into calcium silicate, thus enhancing the strength of any material.

By encapsulating and passivating deleterious salts, it will prevent them from being conveyed to the surface of any building material.

DURIPAL will reduce excessive water absorptivity of plaster substrates without impairing water vapor diffusion.

DURIPAL

- will not attack reinforcement bars
- is non-flammable
- will not disintegrate
- will increase structural resistance to fire and heat
- will act to solidify wood and repel termites
- maintains the water vapor permeability of impregnated surfaces.

Test Certificate:

Effects and Increases in Strength Achieved by DURIPAL Treatment.

Dr. Günther Böttcher

Building Materials Test Institute

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Processing Notes: To solidify surfaces and to encapsulate deleterious salts, flood or spray DURIPAL on to dry or possibly somewhat moist building materials. Depending upon penetration parameters required, it may be necessary to apply several coats; if so, work wet in wet.

To consolidate foundations, masonry, concrete structures, etc., inject DURIPAL through boreholes, using impregnation or injection procedures. (See Injection data sheet).

Please Note:

In order to ensure that any system to be applied subsequently (primers, slurries, ect.) will adhere properly to DURIPAL-treated substrates, apply them immediately wet in wet.

Excess DURIPAL may lead to white veiling of surfaces.

Protect glass surfaces and anodized parts.

Use water to clean equipment and injection machinery.

Safety Recommendations:

Because of its alkalinity, DURIPAL is corrosive!

Observe all protective measures prescribed by any competent social insurance association against occupational hazards in the chemical industry. Use gloves and protective goggles. Avoid any contact between the product and your skin. For improved protection, apply cream to your hands. Use a good deal of water to wash away any splashes of material reaching your skin or an eye; after-wards, immediately consult a physician.

Any advice we provide in writing or by word of mouth is intended to support your own efforts. It is to be understood as non-binding. Product descriptions imply no representation as to liability for damage, if any. Should there be any question of liability, it will be limited, in respect of any damage, to the value of any goods supplied and use.

Technical Data:

Material:	low-viscosity, water-soluble alkali silicates
Appearance:	transparent
Density:	1,24 kg/dm ³
pH Value:	12,5 (highly alkaline)
Consumption:	depending upon absorptivity of building material, Guideline Value: 0,3 - 0,5 ltr/m ²
Increase in Compressive Strength:	up to 60 %
Storage:	under non-freezing conditions
Shelf Life:	1 year within unopened container
Supplied In:	plastic containers holding 10 lts or 30 lts

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IPA Bauchemische Produkte GmbH Riedhof 5 – 82544 Egling – Tel. 08171-9990600 – Fax 08171-99906020 –

E-mail: info@IPA.de Internet: www.ipa.de oder www.ipanex.de