



B/C Penesil

Admixtures, Inc.

QUALITY PRODUCTS & SERVICE
SINCE 1957

DESCRIPTION:

B/C Penesil is a stable, VOC compliant Silaine/Siloxaine emulsion penetrating water repellent. **B/C Penesil** was developed to treat a wide variety of mineral substrates including concrete, RCC, architectural concrete, concrete block, splitface block, pavers, stucco, porous and dense brick, clay tile, and exposed aggregate concrete. **B/C Penesil** reduces the capillary absorption of the substrate which it has penetrated, but does not clog pores or capillaries. There is little or no impairment of the building material's ability to "breathe".

ADVANTAGES

B/C penesil provides excellent water repellency to reduce cracking, spalling, freeze/thaw damage, chemical degradation, biological growth, efflorescence, and dirt pickup, thereby lengthening the substrate life and reducing maintenance costs.

B/C Penesil provides excellent beading and is formulated to minimize darkening effects for improved aesthetics.

B/C Penesil has good stability on high alkaline surfaces for long term durability.

B/C Penesil physically and chemically bonds to substrates and is UV stable and resistant to biological degradation, increasing coating life and making cleaning easier, thereby reducing maintenance costs.

B/C Penesil is vapor permeable to resist cracking, peeling and blistering, and allowing carbonation to continue after coating application. This lengthens coating and substrate lives and allows for greater substrate structural strength over time.

B/C Penesil can improve adhesion of paints to mineral substances thus priming them for painting.

APPLICATION

Surface Preparation

Surface preparation depends on substrate placement, type and strength, curing and finishing processes, age, condition, previous contamination, and presence of previous coatings. Surfaces should be clean from dust, dirt, oils, grease, curing compounds, other coatings, efflorescence, and laitance before the application of **B/C Penesil**. Cleaning methods which are compatible with the application of **B/C Penesil** include:

Mechanical - abrasive blasting (sand, baking soda, vacuum).

Chemical - acid etching, stripping, solvent de-greasing, caustic soda scrubbing, high pressure washing.

Heat - propane and acetylene.

If strong acidic or caustic cleaning agents are used, neutralize the surface and completely wash to remove any residues. Before using any surface preparation method a test patch should be performed with the customer's approval to ensure their needs are met.

New concrete should be allowed to cure for a minimum of 28 days prior to applying **B/C Penesil**. In addition, repair work should be preformed at least 3 days before applying **B/C Penesil**.

(over)

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Application (cont.)

B/C Penesil should be applied in two coats using a "wet on wet" procedure to ensure complete coverage. Can be applied by either brushing, spraying or dipping.

Coverage Rates:

Rough porous surfaces: 100 - 125 ft²/gal.
Broom finish: 125 - 150 ft²/gal.
Smooth concrete: 150 - 200 ft²/gal.

If it starts to rain, stop treatment and cover impregnated areas. Maximum water repellency is realized in 72 hours. Water beading generally improves over time. A test patch should be performed prior to general application with the customers approval to ensure that the desired water repellency and appearance is achieved.

Recoatability

Substances that are coated with **B/C Penesil** are generally re-coatable with water and solvent borne paints. **B/C Penesil** can be used as a primer to improve adhesion with paints on mineral substrates.

Clean Up

Thoroughly rinse application equipment with clean water.

Packaging

B/C Penesil is available in 1 gallon jugs, 5 gallon pails, 55 gallon drums, and 275 gallon totes.