



INTERSTATE PRODUCTS, INC.

VO - 500

DESCRIPTION:

VO-500 is supplied in a pre-packaged unit containing an acrylic polymer liquid and low-density powder mix. This unique combination makes VO-500 highly suitable for vertical and overhead concrete and masonry patching and repair. VO-500 has better adhesion, is more waterproof and freeze thaw resistant than standard mortars or stucco. VO-500 will repair concrete block, brick and masonry.

SURFACE PREPARATION:

Concrete substrate should be structurally sound. Any loose or unsound concrete should be hammered out. Surfaces must be entirely free of oil, grease, paint, corrosion deposits, dust, laitance or other surface contaminants. Any embedded steel should be cleaned of corrosion and exposed to at least 100% of the circumference. Once cleaned the exposed metal should be coated with PERMABOND E-300 primes manufactured by TOPAZ prior to the application of the VO-500 slurry coat.

MIXING:

VO-500 is supplied in pre-packaged units. Mix one bag of the VO-500 powder to 1 gal. of VO-500 liquid. (Always add the powder to the liquid) A slow speed drill and mixing blade is preferable to hand mixing.

PRIMING:

All surfaces should be primed with a slurry using a stiff mason's brush. The slurry consists of 2 parts by volume of powder mixed into 1 part volume of liquid. When substrate temperatures are in excess of 90 degrees F or where the substrate is highly absorbent dampen the area prior to application of the slurry.

APPLICATION:

While the slurry is still damp apply the VO-500 by trowel. The maximum thickness of any one layer of VO-500 will depend on its consistency, location and the profile of the substrate to which it is applied. Typically, a vertical layer in excess of 3 inches is easily achieved, while overhead applications may only sustain 1 ½ to 2 inches in any one unsupported application. If forms are to be used, depths will in excess of these can be achieved in one application. For deep overhead repairs it is good practice to provide mechanical anchors, studs, etc. Small quantities of VO-500 liquid may be added held back to enhance trowelling consistency.

PHYSICAL PROPERTIES:

(@ 17% liquid: powder ratio, 75 degrees F, 50% RH)

Compressive Strength, psi

ASTM C-109 6000 @ 28 days

Flexural Strength, psi

ASTM C-348 1000

Slant Shear Bond, psi

AASHTO T-237 2000

CURING:

VO-500 applications are self-curing

PACKAGING:

Small Unit – 1-1 gal. VO-500 liquid / 1-45lb VO-500 powder

Unit – 1-5 gal. VO-500 liquid / 5-45 lb. VO-500 powder

COVERAGE:

Small Unit yields .55 cubic feet

Unit yields 2.75 cubic feet

CLEANUP:

Clean tools and equipment with water immediately after use.

PRECAUTIONS:

Do not apply when air or surface temperature is below 45 degrees F. Do not wet cure. Protect VO-500 installations from rainfall prior to final set.

Interstate Products, Inc
5585 Marquesas Circle Unit 10-C
Sarasota, FL 34233
website: store.interstateproducts.com
Phone: 800-238-4259 or 941-780-4003