

TECHNICAL DATA- BF015V

VERTICAL WATER BASED EPOXY – BF015V

PRODUCT DESCRIPTION:

BF015V is a two component water based epoxy coating that exhibits chemical resistance and abrasion resistance rivaling solvent based products. BF015V was specifically designed for vertical applications up to 8 mils per coat without sagging.

RECOMMENDED FOR:

Recommended for priming or coating concrete, wood or masonry.

SOLIDS BY WEIGHT:

Mixed = 60% (+, - 2%)

SOLIDS BY VOLUME:

Mixed = 46% (+, - 2%)

VOLATILE ORGANIC CONTENT:

The mixed VOC = 0.70 pounds per gallon.

(regulatory VOC = 135g/l)

STANDARD COLORS:

Off white, light gray, medium gray and tile red.

RECOMMENDED FILM THICKNESS:

6-8 mils per coat wet thickness (yields 3-4 mils dry)

COVERAGE PER GALLON:

200-267 square feet @ 6-8 mils wet thickness

PACKAGING INFORMATION

2 gallon kit = 19.8 pounds net (ie 1.94 gallons total volume). A two gallon kit consists of two pre-measured part A's in gallon cans and two pre-measured part B's in quart cans. Other package sizes are available (volume and weight are approximate)

MIX RATIO:

0.75 gallons part A per 0.22 gallons part B by volume (8.0 pounds part A per 1.90 pounds part B by weight)

SHELF LIFE:

1 year in unopened containers

FINISH CHARACTERISTICS:

Low satin gloss (5-15 at 60 degrees @ glossmeter)

ABRASION RESISTANCE:

Taber abrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 56 mg loss

IMPACT RESISTANCE:

Gardner Impact, direct = 50 in.lb. (passed)

FLEXIBILITY:

No cracks on a 1/8" mandrel

ADHESION:

425 psi @ elcometer (concrete failure, no delamination)

VISCOSITY:

Mixed = 1,500-2,500 cps (typical)

DOT CLASSIFICATIONS:

Not regulated

CURE SCHEDULE:

pot life – 1 gallon volume 1.0 – 1.5 hours

tack free (dry to touch)..... 5-8 hours

recoat or topcoat..... 7-10 hours

light foot traffic.....16-24 hours

full cure (heavy traffic).....2-7 days

APPLICATION TEMPERATURE:

55-90 degrees F with relative humidity below 75%

CHEMICAL RESISTANCE:

REAGENT	RATING
acetic acid 5%	B
xylene	B
mek	A
gasoline	B
10% sodium hydroxide	C
50% sodium hydroxide	B
10% sulfuric	B
10% hydrochloric acid	B
20% nitric acid	A
ethylene glycol	C

Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion. NOTE: extensive chemical resistance information is available through your sales representative.

PRIMER:

None required

TOPCOAT:

Optional – Many products are suitable as topcoats including multiple coats of this product. For added chemical resistance, color stability or UV stability, topcoat with a suitable aliphatic urethane.

LIMITATIONS:

Color or gloss may be affected by humidity, low temperatures, chemical exposure or sodium vapor lighting.

Product will yellow in the presence of UV light

For best results use a 1/4" or 3/8" nap roller.

Slab on grade requires moisture barrier

Substrate temperature must be 5°F above dew point.

All new concrete must be cured for at least 30 days

Product color will vary from batch to batch. Use only product from the same batch for an entire job.

Improper mixing or too thick of an application may result in product failure

Light or bright colors (white, safety colors etc.) may require multiple coats or a topcoat to achieve a satisfactory hide, depending on the substrate.

Physical properties listed on this technical data sheet are typical values and not specifications.

See reverse side for limitations of our liability and warranty.

See reverse side for application instructions.