POLYPRO™
PRO CONCRETE PRIMER

ONE COMPONENT (2k) POLYUREA MOISTURE TOLERANT | SOLVENT FREE
"MIAC"™ (Moisture Initiated | Amine Cured)

Product Data

- Once component (2K) polyurea system
- Moisture tolerant - cures well over damp concrete
- No solvents, 100 % solids, "0" VOC, low odor
- High elasticity. Not brittle
- Low viscosity. Low odor
- Reactive polymer designed to wick into concrete
- Extremely moisture insensitive
- Assists in sealing porous concrete
- Promotes adhesion of topcoat to concrete
- Tough, flexible, highly elastomeric primer

APPLICATION CHARACTERISTICS

Mix ratio: 1:1 by volume

Application methods:

Brush, roller, squeegee and spray (airless, air-assisted airless and pressure pot)

WARNING: Spraying by any method produces fugitive mist, vapors and fumes. Extreme care must be exercised to protect personnel from exposure. Air exhausting equipment (fans / ducting) must be used to dissipate the fumes appropriately. Confined spaces require extra measures for safety. Isolation of the spray area may be necessary.

Solids (volume). No solvents. 100% theoretical.

Theoretical coverage:

1604 mil sq. ft. / gal.

401 sq. ft. / gal. (4 mil film)

Work-cure schedule @ 4 mils thick (72 °F / 50% R. H.)

Tack-free and firm: 30 - 40 min.

Through: 24 hours

Full physicals: 7 days

To Recoat:

Minimum: As work-cure obtained / tack-free

Maximum: 12 hours

Note: If maximum recoat time is exceeded, abrade surface and chemically activate. Cure time is temperature, humidity and film thickness dependant.

Pot life (no sweat-in time required):

Fully open: 1 hour

Covered / unsealed: 2-3 hours

Sealed: 6 hours

Shelf life: 6 months unopened @ 72oF

Cleanup: VTI CS-100 cleaning solvent, ketones.

Color Availability: Clear

Packaging:

10 gal.

102 gal. kits. (Equal "A" & "B")

Application Conditions

Mix ratio: 100 parts "A" / 100 parts "B"
Use as received. Solvent not required

Note: Adhesion to dry concrete will be slightly better than adhesion to wet concrete. It is always best to work with concrete as dry as is possible.

Working time: 6 hours (tightly covered container)
3 hours (loosely covered container)
1 hour (uncovered)

Application temperatures: Minimum 38°F
Maximum - none

Application methods:
Roller, brush and squeegee
Spray - airless, air-assisted airless, press. pot

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Directions For Use

- Measure equal volume of parts "A" & "B".
- Slowly add part "B" into part "A" at required volume while mixing. Mix thoroughly (approximately 60 seconds by hand or 30 seconds mechanically. Apply by desired method.
  Note: Primer is ready to be applied immediately after mixing. No induction period is necessary.
- Allow primer to obtain a work-cured, tack-free state prior to applying POLYARMOR® or POLYPRO™ polyurea

Work Cure Times: (approximate)	@ 60 °F	@ 85 °F
dry concrete	45 min.	20 min.
wet concrete	90 min.	60 min.

Maximum Re-Coat Time: **12 hours**

Coverage: Approximately 200 - 250 sq. ft. per gal. the actual coverage is dependent upon surface texture and porousity. Cleaning, followed by grit or shot blasting prior to priming is usually necessary.

Twenty four hours required for primer to reach full cure.

Surface Preparation

Surface preparation is the most critical portion of any successful concrete coating application. All substrates must be properly prepared. *Remember* - THERE ARE NO SHORTCUTS TO A SUCCESSFUL CONCRETE COATING JOB.

Concrete - Present Conditions

Slabs on ground or on grade must have an efficient vapor barrier to prevent moisture vapor transmission. Test for moisture following ASTM D-4253 Plastic Sheet Test. Tape down a piece of clear plastic to concrete for 24 hours. If moisture collects of slab has darkened, moisture content is too high.

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