



# TECHNICAL DATA SHEET

# POLYHARD

## PRODUCT DESCRIPTION

The Concrete Protector's Poly Hard is a 3 part urethane polymer product with self leveling qualities.

**STANDARD COLORS:** Grey

**OTHER COLORS ALSO AVAILABLE:** Dark Grey, Charcoal, Red, Blue, Green

**REVISION DATE:** November 9, 2021

## CURE SCHEDULE (75°)

**POT LIFE (1.5 GAL VOLUME):** 10-20 minutes

**TACK FREE (DRY TO TOUCH):** 5-8 hours

**RECOAT OR TOPCOAT:** N/A

**LIGHT FOOT TRAFFIC:** N/A

**FULL CURE:** 28 days

## COVERAGE

Recommended for cage wash areas, bottling areas, warehouses, mechanical rooms, restaurants, food processing areas, chemical processing, bakeries.

**COVERAGE PER KIT.:** 60 sq.ft/kit @ 1/8" thick  
30 sq.ft/kit @ 1/4" thick

**MIX RATIO:** 1 Part A + 1 Part B + 1 Part C

**RECOMMENDED FILM THICKNESS:** 1/4 to 1/8"

**PACKAGING INFORMATION:** Kit of Part A (resin) Part B (hardener) Part C (aggregate)

## PHYSICAL PROPERTIES

**FLEXURAL STRENGTH:** ASTM C-580=3800 psi

**COMPRESSIVE STRENGTH:** ASTM C-579=6500 psi

**TENSILE STRENGTH:** ASTM C-307=1000 psi

**ADHESION:** ASTM D-7234=>400 psi, Concrete Failure

**VISCOSITY:** N/A

**ABRASION RESISTANCE:** ASTM D-4060=80 mg loss

**ULTIMATE ELONGATION:** N/A

**HARDNESS:** ASTM D-2240=80D

**VOLATILE ORGANIC CONTENT:** < 5g/l

**SHELF LIFE:** 6 months in unopened containers

## CHEMICAL RESISTANCE

N/A

## LIMITATIONS

- Not not apply in temperatures over 100 degrees °F

## BENEFITS

- High tolerance to moisture vapor.
- Superior impact resistance
- Meets USDA, FDA, and CFIA Standards
- Meets California VOC and SCAQMD
- Cold Temps Application



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### INSTRUCTIONS

- 1) Mix Part A and Part B together use a high speed drill (800 RPM) with a 5" Jiffy type-blade for at least 30 seconds.
- 2) Gradually add Part C and mix continuously for at least 2 minutes until a homogenous mix is attained.
- 3) Apply using a ½" notched squeegee and back roll with a loop roller

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