



## TECHNICAL DATA SHEETS

# PERMAFLEX

### PRODUCT

Sanitred's Permflex is a two component, high solids, environmentally safe, polyurethane coating. Permflex is a coating that can be used either indoors or outdoors. Permflex will bond permanently to properly prepared concrete and wood. It is an excellent coating to broadcast color flakes or EPDM rubber into.

**STANDARD COLORS:** Dark Tan, Black, White, Grey, *Custom Colors Available (250 Gal Min)*

### CURE SCHEDULE (70°)

**POT LIFE (1.5 GAL Volume)** Long

**TACK FREE (DRY TO TOUCH)** 1-2 hours

**RECOAT OR TOPCOAT** 2-8 hours

**LIGHT FOOT TRAFFIC** 24 hours

**FULL CURE** 28 days

### COVERAGE

Recommended for interior/exterior floors, parking decks, waterproofing, rust proofing.

**COVERAGE PER GALLON:** 220 square feet per gallon

**MIX RATIO:** 1.6 oz catalyst & 6.4 oz accelerator per gallon then 20-25% solvent for thinning recommended.

**RECOMMENDED FILM THICKNESS:** 6 (+/-2) mils

**PACKAGING INFORMATION:** 1 Gallon and 5 Gallon Kits

### PHYSICAL PROPERTIES

**FLEXURAL STRENGTH:** N/A

**COMPRESSIVE STRENGTH:** N/A

**TENSILE STRENGTH:** 2030psi @ ASTM D638

**ADHESION:** 400pli

**VISCOSITY:** 5000 (+/-900) cpois

**ABRASION RESISTANCE:** 1000 gram total load and 500 cycles = No significant effects

**ULTIMATE ELONGATION:** N/A

**HARDNESS:** Shore D= 80 (+/-5)

**VOLATILE ORGANIC CONTENT:** <82 grams per liter

**SHELF LIFE:** 1 year in unopened containers

### CHEMICAL RESISTANCE

REAGENT	RATING
SALT WATER	NO EFFECT
DISTILLED WATER	NO EFFECT
ANTI FREEZE	NO EFFECT
CAUSTICS	NO LIMIT-NO EFFECT
AMMONIUM HYDROXIDE	NO LIMIT-NO EFFECT
NITRIC ACID 50%	UP TO 50%-NO EFFECT
CALCIUM HYDROXIDE	NO LIMIT-NO EFFECT
GASOLINE	SLIGHT STAIN
MOTOR OIL	SLIGHT STAIN
HYDRAULIC BRAKE FLUID	SLIGHT BLEACHING
DIESEL FUEL	NO EFFECT
HYDROGEN PEROXIDE 50%	NO LIMIT-NO EFFECT
HYDROGEN FLUORIDE	NO LIMIT- NO EFFECT

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.

## LIMITATIONS

Surface to be coated must be dry and free from moisture.

## INSTRUCTIONS

Figure a coverage rate of 200 sq ft per gallon for each coat when ordering (100 sq ft for both coats combined). You are going for a coverage rate of 240 sq. ft. a gallon but you may get less depending on concrete texture/porosity. Each gallon of Permaflex with catalyst (1.6 oz), and enough accelerator (6.4 oz) for a 4-6 hour set time between coats. *(Each 5 gallon pail of Permaflex comes with an 8 oz bottle of catalyst and a 32 oz can of accelerator).*

Additional accelerator can be purchased to speed up set time to a 1-2 hours set time *(humidity in the air is the biggest factor on speed of set . . . the more humidity, the faster Permaflex sets).*

**Thinning** (Xylene, Acetone or our Low-Odor Mineral Spirits). We highly recommend thinning Permaflex with 20-25% solvent after mixing in your catalyst and accelerator to make it easier to work with.

**SURFACE PREPARATION:** Surface must be properly profiled to get a permanent bond. On "untooled" surfaces, remove any loose crumbly surfaces and make sure it is clean, dry, and **free of any previously applied products** ("untooled" means that surface profile was not closed off by a trowel when concrete was poured . . . concrete basement walls poured with forms for example). Concrete floor surfaces must be either be shot blast or acid etched/pressure washed (diamond grinding alone is not sufficient to achieve the full benefits of PermaFlex). Typical prep on other areas (inside pools) is sandblasting. Refer to the TCP Training manual for the individual system you are using PermaFlex for and the ICRI standards for proper surface preparation.

**CLEANUP:** Tools used can be cleaned with acetone or xylene.

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