



TECHNICAL DATA SHEETS

PERMAFLEX

PRODUCT DESCRIPTION

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: 2 years 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 Permafex 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 Permafex 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 Permafex sets).*

Thinning (Xylene, Acetone or our Low-Odor Mineral Spirits). We highly recommend thinning Permafex with 15-20% solvent after mixing in your catalyst and accelerator to make it easier to work with.

SURFACE PREPARATION: Remove any loose crumbly substrate, make sure the substrate is clean, dry, and free of any previous applied products.

Refer to the TCP Training manual and the ICRI standards for proper surface preparation.

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

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