



T
E
C
H

-

A
P
P

S
H

E
E
T

PRODUCT DESCRIPTION AND USE

SunGlaze is a high solids, single component urethane solvent base sealer pigmented capable of obtaining excellent adhesion to dry, properly prepared concrete. SunGlaze is a low viscosity, easy to handle product that gives very high gloss finishes that are both hard and abrasion resistant. The material releases soils easily and has excellent resistance to a broad range of chemicals. Is fast drying allowing coated areas to be return to serves quick for rapid turn around projects.

Chemical Composition

Solvent Base Urethane 30% solids sealer.

Colors

Any powder form pigmented oxide available

Limitations

- Surface must be mechanically prepared and dry.
- Do not allow to puddle. For fastest cure, keep wet film thickness below 8 mils (200 sq. ft. per gallon)

TECHNICAL DATA

Physical Properties

An average of 6 oz of pigmented oxide per gallon of sealer,

Solids Content, by Weight 30%

Solids Content, by Volume 30%

V.O.C. 580gms/ltr.

Low V.O.C. version..... 100 gms/ltr.

Adhesion to concrete (ASTM 451).....concrete fails before loss of bond

Dry Times (77°F, 6 mil wet film)

 Dry to Touch 1 hour

 Light Traffic.....4 hours

 Vehicle Traffic.....48 hours

 Full Chemical Resistance..72 hours

Performance Properties

Gloss (60 degrees) 4 mil film.....	75
Hardness (Pendulum).....	178
Tukon Hardness.....	16

CHEMICAL AND STAIN RESISTANCE

Weights lbs/ft @ 3/16”	1.3 lbs
Thickness (Typical).....	3/16”
Bond strength (ASTM C297).....	469 psi
Accelerated Aging Test (ASTM A756 D & E).....	no effect
Freeze-Thaw (ASTM C-67).....	No Breakage < 1% weight loss
Slip Resistance (S.C.O.F.) (ASTM C-1028).....	.81 Wet - 1.03 Dry
Abrasion Test (ASTM D-1242).....	.0328 in = 3000 psi Concrete
Absorption Test (ASTM S-570).....	12.7%
Weatherometer (ASTM G23) 2000 hrs.....	no effect
Wind Uplift 1-52 Test Procedure @ 190 mph=.....	Recover Set/.020 in
Percolation Test (ASTM D-1242) 48”/48hr.....	<1%
Impact Resistance Mil D-3134 F.....	No Breakage/<.001 in
Fire Resistance (ASTM E108/UBCSTD #32-7/UL790).....	Class A

GENERAL INFORMATION

Moisture Vapor Emissions/Alkalinity Precautions

All interior concrete floors not poured over an effective moisture vapor retarder are subject to possible moisture vapor transmission and related high levels of alkalinity that may lead to blistering and failure of the coating system. It is the coating applicator’s responsibility to conduct calcium chloride and relative humidity probe testing to determine if excessive levels of vapor emissions or alkalinity are present before applying any coatings. Sundeck Products USA, Inc. and its sales agents will not be responsible for coating failures due to undetected moisture vapor emissions or related high levels of alkalinity.

Surface Preparation

If application is done directly over concrete, the surface must be clean, dry and profiled. Do not acid etch. Preparation must be done by shot blasting or diamond grinding. Surface must have a profile that resembles 100-120 grit sandpaper. If diamond grinding do not polish the surface. 30 grit diamonds are recommended. Vacuum the surface thoroughly after mechanical preparation. Fully cured, previously coated surfaces must be cleaned and sanded lightly with 80-100 grit sandpaper or otherwise mechanically abraded before recoating. If multiple coats of SunOne (Tinted) are applied, apply additional coats as soon as possible. If more than 24 hours has elapsed or the coating cannot be indented with a fingernail, abrade surface with 80-100 grit sandpaper or screen to insure intercoat adhesion.

Mixing Instructions

Mix chosen color oxide with Crystal Clear at 6 oz per gallon as an average depending on the color desired. Mix for 1 minute with a slow speed drill making sure the contents of the oxide are fully dissolved

Application Recommendations

SunGlaze is applied by a solvent resistant pump up sprayer to allow proper color dispersion.

Recommended coverage

For the material is 200-250 sq. ft. per gallon. Heavier applications may take slightly longer to cure depending upon atmospheric humidity. Do not apply heavier than 150 sq. ft. per gallon. Puddles or heavy accumulations in joints will not cure properly.

Handling Precautions

Use only with adequate ventilation/or a cartridge type respirator designed to be used for paints. Avoid contact with skin, wear protective gloves. Read Material Safety Data Sheet before using.

Slip and Fall Precautions

OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slip-resistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. Sundeck Products USA, Inc. recommends the use of angular slip-resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. Sundeck Products USA, Inc. or its sales agents will not be responsible for injury incurred in a slip and fall accident.

WARRANTY INFORMATION

Sundeck Products USA, Inc. guarantees that this product is free from manufacturing defects and complies with our published specifications. In the event that the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the seller. SUNDECK PRODUCTS USA, INC. MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, AND ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. Sundeck Products USA, Inc. shall not be liable for damages caused by application of its products over concrete with excessive moisture vapor transmission or alkalinity. Sundeck Products USA, Inc. shall not be liable for any injury incurred in a slip and fall accident. Manufacturer or seller shall not be liable for prospective profits or consequential damages resulting from the use of this product.