

# SURTEC<sup>®</sup>, Inc. Surface Technology

1880 N. MACARTHUR DR.

TRACY, CA 95376

Telephone (209) 820-3700

Fax (209) 820-3793

## SURPRO 44 MATTE

SP-680 & SP-681

### WATERBORNE TWO PART POLYURETHANE/ACRYLIC FLOOR SEALER FOR CONCRETE AND MASONRY

**DESCRIPTION:** SURPRO 44 MATTE is a high performance, two-component urethane/acrylic sealer formulated specifically for retail and commercial applications employing a floor finish program, but may be used as the sole sealer as a matte finish.

SURPRO 44 MATTE is chemically resistant, highly durable, and cures hard within 24 hours of application. The low odor formula is designed to allow application without disruption of normal operations - ideal for areas where solvent odors from traditional acrylic or polyurethane coatings are not tolerated.

SURPRO 44 MATTE offers enhancement of the substrate similar to solventborne sealers, provides a 2 hour pot life, and is easy to apply. If a more "natural" appearance of the substrate is desired, SURPRO 44 MATTE may be applied over Surtec BOND COAT or STONE SEAL waterborne acrylic sealers. SURPRO 44 MATTE has also shown compatibility with waterborne epoxy primers and sealers. Nevertheless, any combination of SURPRO 44 MATTE with other coatings and sealers must be tested in a mockup, either onsite or in a workshop, to guarantee compatibility and should be offered to the customer for approval.

**VOC COMPLIANCE:** When mixed and used according to directions, SURPRO 44 MATTE

conforms with all Federal, State and Local VOC regulations. Contains less than 50 grams per liter VOC content per EPA Test Method 24.

**SURFACE PREPARATION:** Surfaces shall be dry, structurally sound, clean and free of dirt, grime and other foreign substances. If stripping of old sealer is necessary, use SURTEC ULTRA STRIP, SAFE STRIP or ENVIROSTRIP, or consult a SURTEC Technical Representative.

Cleaning of concrete and masonry should be performed using a solution of 1 part SURTEC SC-210 per 8 parts water, scrubbing with a mechanical scrubber equipped with a scrubbing brush or pad.

Concrete floors must be ground or etched to a profile to at least that of 120 grit sandpaper. The concrete may be etched with one part SURTEC SUPER ETCH PLUS diluted with 2 to 3 parts water, followed by neutralization with 2 oz. of HC-150 per gallon of water. Rinse thoroughly and allow to dry before application.

If applying over existing SURPRO 44 MATTE or if applying a second coat more than 16 hours after application of the first coat, sand surface with a 120 grit screen disk, followed by cleaning with HC-150 diluted to 2 ounces per gallon of water. Rinse thoroughly and allow to dry before application. SURPRO 44 MATTE is not recommended for application

over surfaces previously painted or sealed surfaces, unless compatibility has been tested.

**MIXING INSTRUCTIONS:** Mixing instructions must be strictly adhered to. Add one part by volume of SURPRO 44 MATTE Part B (Cure) to three parts of SURPRO 44 MATTE Part A (Resin) in an open container. Mix well (approximately 5 minutes) with Jiffy Mixer or other mechanical mixer until thoroughly mixed before using. For most consistent matting effect, let stand for 30 minutes after mixing for full induction. DO NOT mix more than can be used in a 2 hour period. SURPRO 44 MATTE has no obvious end of potlife, therefore, do not apply beyond the 2 hour limit or a film with poor characteristics (e.g., bubbling, foaming, blotchiness) may result. Clean up overspray and equipment before the SURPRO 44 MATTE dries with SURTEC HC-150 diluted 2 oz. per gallon of water.

**APPLICATION:** SURPRO 44 MATTE should be applied by good quality short nap (1/4" or 3/8") roller for smooth surfaces, heavy nap (1/2" or 3/4") roller for rough surfaces such as split face block. Material shall not be applied if surface or ambient temperature is below 45° F. or if the temperature is expected to fall below freezing (32° F.) within the 24 hour curing cycle.

#### SPECIFICATIONS:

COLOR:	Part A: White, milky; Part B: Clear
ODOR:	Mild
HMIS RATING	Health =2 Flammability = 1 Physical Hazard = 1
VOC CONTENT:	44 grams/liter (EPA Test Method 24)
SOLIDS:	51%
TINTING AVAILABLE:	No
SPECIFIC GRAVITY/DENSITY (mixed):	1.07 /8.9 lbs. per gallon
MIX RATIO:	3:1 by volume (72.9:27.1 by weight)
VISCOSITY (mixed):	50 - 100 cps. (Brookfield, spindle #3, 50 rpm)
POT LIFE:	2 hours
COVERAGE:	400 to 600 sq. ft. per gal.
EXTERIOR DURABILITY:	Excellent
RESISTANCE TO WATER:	Excellent
CHEMICAL RESISTANCE:	Very Good
FLASH POINT:	None (C.O.C. Method)
DRYING TIME (at 20° C./68° F., 50% relative humidity):	
TACK FREE:	2 to 3 hours
RECOAT:	3 to 16 hours
LIGHT TRAFFIC:	24 hours
HEAVY TRAFFIC:	36 to 72 hours
GLOSS FINISH:	35 (ASTM Test D-523, 60°)
SAFETY (under foot):	Exceeds slip resistance requirements (ASTM Test D-2047)
PACKAGE SIZES:	1 gallon kit (3 qts. Part A, 1 qt. Part B) 4 gallon kit (3 gals. Part A, 1 gal. Part B) 5 gallon pails

For adequate protection on porous surfaces, at least two coats should be applied. For best results, the second (or subsequent) coat should be applied when the previous coat is tack free and walkable. Prior to application of the second or subsequent coats damp mop the floor with a 2 oz. per gallon of water solution of Surtec HC-150 to remove any surface contaminants. Waterborne acrylic floor finishes may be applied when the final coat is tack free and walkable.

**COVERAGE:** Will vary with porosity of substrate but will average 400 to 600 sq. ft. per gallon. Do not overapply SURPRO 44 MATTE; coverage for most surfaces should be at 400 - 600 sq. ft. per gallon. If product is overapplied (e.g. applied at a rate of 100 to 200 sq. ft. per gallon) bubbling or foaming in the finished coat may occur.

SURTEC warrants this product to be of consistent quality. SURTEC'S warranty is limited to the replacement of product proven defective. The user assumes all other risks and liabilities resulting from the use of this product. If you have any questions, please call SURTEC at (209) 820-3700.