55% solids moisture cured urethane



# **SunGuard MCU-5**

# Product description

SunGuard MCU-5 is a revolutionary update to the classic moisture cured urethane coating. SunGuard MCU-5 is a single component, 55% solids, low viscosity formula with excellent open time. The SunGuard MCU-5 formula is easy to use, and produces a glossy surface with outstanding abrasion, UV and chemical resistance. An excellent choice for a top coat over epoxy or polyaspatic chip or metallic epoxy floors. Great for industrial and automotive applications.

#### Limitations

- MVR (moisture vapor rate) shall be 3 pounds per 1000 FT<sup>2</sup>.
   Floors that exceed the 3 pound limit should use the SunEpoxy MVB vapor barrier system before application.
- Apply at temperatures above 50°F (10°C).
- This product should not be thinned before use.
- New concrete should be cured for at least 28 days prior to application.
- HVAC systems should be off or blocked during the application.
- Solvent vapors are flammable and can ignite with any source of open flame, sparks, smoking, etc.
- Solvent borne materials will saturate the color and cause the surface to appear darker. Test areas should be always be applied to confirm final result.

# **Packaging**

SunGuard MCU-5 is available in 1 gallon containers (3.7 L) and 1 quart containers (.94 L).

# **Storage Instructions**

Store in a dry area between 50°F and 90°F (10°C -32°C) Avoid direct sunlight, extreme heat, <90°F (32°C). Shelf life when stored properly is 6 months.

#### **Coverage Rate**

First coat at 300-350  $FT^2$  (30-35  $M^2$ ) per gallon. An optional 2nd coat may be applied at 300-350  $FT^2$  (30-35  $M^2$ ) per gallon. Coverage can vary based on the surface porosity, texture.

#### **Surface Preparation**

This product must be applied over a primed or previously coated surface. The surface shall be clean, structurally sound, and free of wax, oil, dust, loose paint or any incompatible coating. The existing coating must be structurally sound and bonded to the surface. Prepare the existing coating by sanding with an 80-100 grit sand paper to lightly abrade. Be sure to remove any residual dust from the surface. The substrate should not be lower than 40° F (  $5^{\circ}$ C). If applied outside these limits the material may not achieve proper film formation, or cause excessive bubbles, hazing or blushing.

#### **Technical Information**

Meets OTC, CARB, & LADCO VOC restrictions.

SOLIDS by weight 55%

VOC < 250 g/l

#### **HEADQUARTERS**

SUNDECK PRODUCTS USA INC. 805 AVENUE H EAST #508 ARLINGTON, TX 76011 USA

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# Mixing

The SunGuard MCU-5 is a single component and should be mixed by hand only, using a mixing stick for 10-15 seconds.

NEVER POWER MIX! The SunGuard MCU-5 is a top coat only and not designed to accept color or tint packs.

### **Application**

Application temperature is between 50°F-80°F (10°C-26°C) SunGuard MCU-5 is designed to be applied over an existing epoxy or urethane surface.

Spread the material evenly using a magic trowel or 3/8" shed free roller cover. Back roll the material to ensure a streak free application. The coverage rate should be 300-350 FT<sup>2</sup> (30-35 M<sup>2</sup>) per gallon. Prevent puddles from forming during the application.

Use of a solvent resistant airless sprayer is also an approved application method.

If applying over a chip floor system, the first coat should already be in place for that system. Example SunOne Polyaspartic. Remove any excess material from joints using a brush during application.

Dry time (tack free) 4-5 hours. Re-Coat time 6-12 hours. Foot traffic 8-18 hours. Heavy traffic 24-36 hours. Full cure allow 7-14 days.

#### Safety

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.

Refer to the product Safety Data Sheet (SDS).

# **Product Warranty**

Sundeck Products USA, Inc. standard warranty applies.

# **Precautions**

Installers must carefully review site conditions, especially the substrate condition, and its moisture content. For floors that exceed 3 pounds MVR, Sundek recommends the use of SunEpoxy MVB vapor barrier treatment to prevent failure from moisture related issues. Moisture cured urethanes absorb moisture from the atmosphere to cure and harden the material. Never pour out more material than can be used in a short period of time. Re-seal the container when not in use. Left over material should be stored in airtight containers to prevent hardening.