

eCinema Systems, Inc.
SP50 Spectrally Flat Surround Paint
Application Note

Where To Use

- Previously painted or primed Interior surfaces.

Preparation†

- Remove loose paint, wash off any dirt and grease with detergent, remove mildew stains. Scuff sand glossy surfaces.
- Countersink nail heads, repair imperfections and sand smooth.
- Remove all dust with a damp cloth, allow to dry.
- Allow new stucco, plaster and masonry to cure for 30 days before priming.

Prime

- Use an undercoat/primer and one or two coats of white paint (not absolutely necessary) in order to provide for optimal color development.

Application

- Use product when the surface and air temperatures are between 50-90°F (10-32°C).
- Stir paint occasionally.
- Intermix containers of same product to ensure color and sheen uniformity.
- Use a high quality 3/8-1/2" nap roller cover, nylon/polyester brush or an airless sprayer (.015 spray tip).
- Coverage is 250-400 sq. ft. (23-37 m²) per gallon depending on the surface texture, porosity and application method.
- Do not thin if using a roller or brush; however, if using a sprayer and thinning is required, thin with water at a rate of no more than 1/2 pint per gallon.
- Certain colors may require more than one coat for complete hide.

Dry Time

- Dries to touch in 2 hours at 77°F (25°C) and 50% humidity, re-coat in 4 hours.
- Darker colors may require additional dry time between coats.
- Longer dry time required in cooler temperatures and in higher humidity.
- After 2-4 weeks, cured paint film may be cleaned with a mild, nonabrasive liquid detergent.
- Dry paint film is mildew resistant.

Clean Up & Storage

- Use soap and water.
- Properly dispose of all soiled rags and protect unused product from freezing.
- To recycle or properly dispose of paint in your community, call 1-800-CLEANUP (U.S.A. only) or visit www.Earth911.org.

† WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. WARNING! This product contains chemicals

known to the state of California to cause cancer and birth defects or other reproductive harm.

WARNING! IRRITANT! HARMFUL IF SWALLOWED. CONTAINS: ETHYLENE GLYCOL. MAY CAUSE EYE, NOSE AND THROAT IRRITATION. AVOID CONTACT WITH SKIN AND EYES AND AVOID BREATHING OF VAPORS AND SPRAY MIST. WEAR EYE PROTECTION AND PROTECTIVE CLOTHING. USE ONLY WITH ADEQUATE VENTILATION. To avoid breathing vapors and spray mist, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches or dizziness, increase fresh air. If properly used, a respirator (NIOSH approved for organic vapor with P series particulate pre-filter) may offer additional protection; obtain professional advice before using. A dust mask does not provide protection against vapors. Avoid contact with eyes and skin. Wash thoroughly after handling. Close container after each use. **FIRST AID:** If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If swallowed, get medical attention immediately.

CAUTION: KEEP OUT OF REACH OF CHILDREN - DO NOT TAKE INTERNALLY.

Product Name: SP50
MSDS Manufacturer Number: SP50
Manufacturer Name: eCinema Systems, Inc.
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 Valencia, CA 91355
General Phone Number: 661-294-7444
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MSDS Creation Date: 01/30/2007
MSDS Revision Date: 09/08/2008



HMIS

Health Hazard	1
Fire Hazard	1
REACTIVITY	0
Personal Protection	

* Chronic Health Effects:

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
Silica, crystalline - cristobalite	14464-46-1	1 - 5 by weight
Titanium dioxide	13463-67-7	10 - 30 by weight
Water	7732-18-5	30 - 60 by weight
Coalescing aid	Proprietary	1 - 5 by weight
Styrene/acrylic copolymer	No data	1 - 5 by weight
P(BA/MMA)	25852-37-3	10 - 30 by weight
Silica, amorphous, precipitated and gel	112926-00-8	1 - 5 by weight
Proprietary	No data	1 - 5 by weight
Nepheline Syenite	37244-96-5	5 - 10 by weight
Aluminum hydroxide	21645-51-2	1 - 5 by weight

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: Irritant.

Potential Health Effects:

Eye: May cause irritation.

Skin: May cause irritation.

Inhalation: Prolonged or excessive inhalation may cause respiratory tract irritation.

Ingestion:	May be harmful if swallowed. May cause vomiting.
Chronic Health Effects:	Prolonged or repeated contact may cause skin irritation.
Signs/Symptoms:	Overexposure may cause headaches and dizziness.
Target Organs:	Eyes. Skin. Respiratory system. Digestive system.
Aggravation of Pre-Existing Conditions:	None generally recognized.

SECTION 4 - FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for 15 to 20 minutes. Get medical attention, if irritation or symptoms of overexposure persists.
Skin Contact:	Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Other First Aid:	Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point:	No Data
Lower Flammable/Explosive Limit:	Not applicable.
Upper Flammable/Explosive Limit:	Not applicable.
Extinguishing Media:	Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA Ratings:

NFPA Health:	1
NFPA Flammability:	1
NFPA Reactivity:	0

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personnel Precautions:	Use proper personal protective equipment as listed in section 8.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Spill Cleanup Measures:	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section.

SECTION 7 - HANDLING and STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use.
Hygiene Practices:	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Skin Protection Description:	Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing. Wear appropriate protective gloves. Consult glove manufacturer's data for permeability data.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

EXPOSURE GUIDELINES

[Silica, crystalline - cristobalite :](#)

Guideline ACGIH:	TLV-TWA: 0.05 mg/m3 (Respirable)
Guideline OSHA:	OSHA-TWA: One half the Quartz PEL [30 mg/m3]/{% SiO ₂ } + 2]
<u>Titanium dioxide:</u>	
Guideline ACGIH:	TLV-TWA: 10 mg/m3
Guideline OSHA:	OSHA-TWA: 15 mg/m3
<u>Silica, amorphous, precipitated and gel:</u>	
Guideline ACGIH:	TLV-TWA: 10 mg/m3
Guideline OSHA:	OSHA-TWA: 20 mg/m3

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Liquid.
Color:	White
Boiling Point:	No Data
Melting Point:	No Data
Density:	10 - 12 Lbs./gal.
Vapor Density:	Greater than 1 (Air = 1).
Vapor Pressure:	No information.
pH:	8.5 to 9.5
Molecular Formula:	Mixture
Molecular Weight:	Mixture
Flash Point:	No Data
VOC Content:	Material VOC: 2 gm/l (Includes Water) Coating VOC.: 4 gm/l (Excludes Water) The addition of colorant may add VOCs.

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Not reported.
Conditions to Avoid:	Heat, flames, incompatible materials, and freezing or temperatures below 32 deg. F.
Incompatible Materials:	Oxidizing agents. Strong acids and alkalis.
Special Decomposition Products:	Incomplete combustion may produce carbon monoxide and other toxic gases.

SECTION 11 - TOXICOLOGICAL INFORMATION

Silica, crystalline - cristobalite :

RTECS Number: VV7325000
Carcinogenicity: IARC: Group 1: Carcinogenic to humans. NTP: Reasonably anticipated to be a human carcinogen.

Titanium dioxide :

RTECS Number: XR2275000
Skin: Administration onto the skin - Human Standard Draize test.: 300 ug/3D (Intermittent) (RTECS)
Carcinogenicity: IARC: Group 2B: Possibly carcinogenic to humans.

P(BA/MMA) :

RTECS Number: UD3428000

Silica, amorphous, precipitated and gel :

RTECS Number: VV7315000

Nepheline Syenite :

RTECS Number: QP9365000

Aluminum hydroxide :

RTECS Number: BD0940000

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data was found for the product.
Environmental Fate: No environmental information found for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

SECTION 14 - TRANSPORT INFORMATION

DOT UN Number: No Data

DOT Hazard Class: No Data

SECTION 15 - REGULATORY INFORMATION

California PROP 65: WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.

Silica, crystalline - cristobalite :

TSCA Inventory Status: Listed

State Regulations: Listed in the New Jersey State Right to Know List.
Listed in the Pennsylvania State Hazardous Substances List.

Canada DSL: Listed

Titanium dioxide :

TSCA Inventory Status: Listed

State Regulations: Listed in the New Jersey State Right to Know List.
Listed in the Pennsylvania State Hazardous Substances List.

Canada DSL: Listed

P(BA/MMA) :

TSCA Inventory Status: Listed

Canada DSL: Listed

Silica, amorphous, precipitated and gel :

TSCA Inventory Status: Not listed

Canada DSL: Listed

Nepheline Syenite :

TSCA Inventory Status: Not listed

Canada DSL: Listed

Aluminum hydroxide :

TSCA Inventory Status: Listed

Canada DSL: Listed

SECTION 16 - ADDITIONAL INFORMATION

HMIS Health Hazard: 1

HMIS Fire Hazard: 1

HMIS Reactivity: 0

HMIS Other: x

MSDS Creation Date: January 30, 2007
MSDS Revision Date: December 30, 2011
MSDS Revision Notes: Quarterly formula update
MSDS Author: Actio Corporation

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