



Paint On Screen - Projection Screen Paint

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1 Gallon Coverage = 170 sq ft / 240" Diagonal
1 Quart Coverage = 45 sq ft / 92" Diagonal
Paint On Screen is low VOC, non toxic and water soluble.
Paint On Screen can be applied with a roller or sprayed.

Paint On Screen is very easy to apply.

Paint On Screen is a high quality , high performance projection screen that is created by applying it with a roller or sprayer. It is used in hundreds of environments where large screen, high definition image clarity is of most importance.

Simple Installation Instructions:

Paint On Screen works excellent on drywall. There is no special prep needed and no special methods of application. It is an extremely easy product to use and produces the highest results possible. An ideal screen installation would be on fresh drywall that has been mud, dried, sanded and primed with a white primer. Paint On Screen can be applied over any existing latex or enamel paint.

1. Start by determining the distance needed to project the desired size screen allowable by your projector.
2. Outline the maximum size your projected image can occupy.
3. Mark the borders of the screen with blue painters tape.
4. When able, apply two (2) generous coats. Let dry between each coat.

General Info:

- 3.78 L = 240" of complete coverage
- Gain = .95 – 2.0+ (depending on selection)
- Water Soluble (Waterproof Exterior Available)
- Maximum VOC: 50 g/l (0.42 lb/gal)
- Can be sprayed as standard paint. See Spraying Instructions.
- Wipe clean with mild soap and water.
- If permanently marked or scuffed, reapply fresh coat of Digital Theater Paint.

Paint On Screen is manufactured with an environment first requirement. We make every effort to minimize paper, electrical energy, environmental impact and other carbon footprint contributors.



Interior Paint On Screens

3.78L = 1 Gallon = Screen sizes from 92" to 240" diagonal (16:9) or approx. 170 sq ft.

Pure MICA WHITE



Being one of the most difficult to produce does not hinder this formulations ability to provide stellar clarity, contrast and razor definition to any image. This is the choice for those that want their screen as a plain wall without compromising on High End performance. **Level 1 Shade**

Digital Theater White



Reference Level This balance of neutral gray, .95 gain and S1 Silver base make this formulation a very sleek screen which will allow any projection system to show its full potential. **Level 2 Shade**

S1 Screen Paint Silver



Reference Level 1.0 Gain, Absolute Neutral Color Shift, Supports up to 4k HD Resolution. Digital Screen Paint - Silver is the #1 among Home Theater Enthusiasts. At a **Level 5 Shade**, no other product is demanded more.

S1 Ultimate Contrast



Level 7 Shade 2.0 Gain, Neutral Color Shift, Supports up to 4K HD Resolution, designed for High End entertainment environments with High Ambient Light.

3DHD Silver Screen



For Polarized 3D HD Applications 3.0+ Gain, 3D 4K Ultra HD Compatible, Neutral Color Shift, Low Ratio of Extinction, Very High Polarization Retention, Dedicated theater and commercial application ready. Level 5 Shade This formula utilizes the latest optical engineering.

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Spraying Instructions:

Surface preparation: Please ensure that the surface to be coated is clean and grease-free. The smoother the surface the better finished product will be. Porous surfaces such as drywall, gypsum wallboard, and wood based materials such as plywood, particle board, MDF, should be sealed with a flat, white latex primer prior to applying Paint On Screen basecoat. Colored surfaces should also be primed with flat, white latex.

Recommend: HVLP and/or pressurized cup spray system 1.5-2mm tip diameter. Be sure that none of the spray equipment is contaminated with solvent-based coatings or cleaning agents as these will negatively affect the water-based Paint On Screen.

Application: Paint On Screen should be thinned 5-10% by volume with filtered or distilled water and thoroughly mixed prior to spraying. Follow the manufacturer's instructions for high solids, water-based coatings for cup pressure and PSI settings. Be sure that levels are set to completely atomize the liquid. Keep a constant 6" - 8" away from the screen surface. Release the trigger at the end of each stroke. Overlap the previous pass by about 1/3. Continue in this fashion for consistent coverage. When the surface is fully and evenly covered, let dry for 30-45 minutes and then repeat the procedure for the second and final coat.

Helpful Hints:

- Paint On Screen can be applied to any smooth surface. A smoother surface will yield higher image quality. It is an extremely easy product to use and provides stunning visual impact.
- If placing on a wall that has already been painted before, prep the area to be painted with a light sanding and primer.
- Give the screen area two light coats to ensure even distribution
- You can choose to use any type border you want. A flat black or stained trim of any style can be used for a more classic look while some opt not to use any border for a invisible modern look.
- Digital theater paint can be used on vaulted ceilings, family rooms with hidden electronics, media rooms and simulators.



SHAKE AND MIX THOROUGHLY! Contents may settle. KEEP FROM FREEZING. DANGER! - DO NOT OPEN IF CAN IS SWOLLEN OR CONTENTS APPEAR TO BE UNDER PRESSURE!

GENERAL SURFACE PREPARATION: All projection surfaces must be sound, dry, clean and free of oil, grease, dirt, mildew, form release agents, curing compounds, loose and flaking paint and other foreign substances.

NEW SURFACES: Drywall - Entire wall should be paint-ready with complete and even coverage of joint compound. Prime with white primer only or give surface one (1) light coat of Paint On Screen product and let dry 24hrs before applying two (2) final coats of Paint On Screen. Wood should be dry, sanded smooth and primed before applying Paint on Screen. Concrete, Plaster and Masonry - Cure at least 30 days before painting. pH must be 10.0 or lower. Roughen slick-poured or precast concrete and remove sealers by chemical cleaning or abrasive method such as sand sweeping. Rinse thoroughly with water and allow to dry. Must be internally dry. Remove loose aggregate.

PREVIOUSLY PAINTED SURFACES: If possible, wash to remove contaminants. Rinse thoroughly with water and allow to dry. Dull glossy areas by lightly sanding. Remove sanding dust. Remove loose paint. Prime bare areas with primer specified under NEW SURFACES.

SPREADING RATE: Apply at 170 sq ft/gal. Actual coverage may vary depending on substrate and application method. For best hiding, use only white primers. When covering certain shades of yellow, orange, pink, red, black and other colors, multiple coats may be required.

APPLICATION: Mix thoroughly before use. May be applied by brush, roller or spray. Thinning with water may be required for spraying. Use only water to thin for spraying. For airless spray, use a .015" tip. Adjust pressure as needed. Do not apply when the surface or air temperature is below 50°F (10°C). Provide good ventilation and warmth for normal drying.

DRYING TIME: At 77°F (25°C) and 50% R.H., dries to touch in 30-60 minutes and to recoat in two to four hours. Low temperature, high humidity, thick films or poor ventilation will increase these times.

CLEAN-UP: Clean immediately with warm, soapy water.

WASHING INSTRUCTIONS: Allow at least seven days after application before washing. Use non-abrasive, mild detergent and cellulose sponge.

WARNING! KEEP OUT OF REACH OF CHILDREN - DO NOT INGEST
WARNING! CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
HARMFUL IF SWALLOWED.

WARNING! This product contains chemicals known to the state of California to cause cancer and births defects or other reproductive harm.

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 an 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 logon to **www.epa.gov/lead**

WARNING! CONTAINS ETHYLENE GLYCOL WHICH CAN CAUSE SEVERE KIDNEY DAMAGE WHEN INGESTED AND HAS BEEN SHOWN TO CAUSE BIRTH DEFECTS IN LABORATORY ANIMALS. USE ONLY WITH ADEQUATE VENTILATION! For additional safety information, refer to the **Material Safety Data Sheet (MSDS)** located at **http://www.paintonscreen.com** for this product. If sanding is done, wear a dust mask to avoid breathing of sanding dust. Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. Avoid contact with eyes and skin. If you experience eye watering, headaches, or dizziness, leave the area. If properly used, a respirator may offer additional protection. Obtain professional advice before using. Close container after each use. **FIRST AID:** In case of skin contact, wash thoroughly with soap and water. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin, then wash again with soap and water. Repeated applications may be needed. Remove contaminated clothing. For eye contact, flush immediately with large amounts of water, for at least 15 minutes. Obtain emergency medical treatment. If swallowed, obtain medical treatment immediately. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, seek medical attention.

National Fire Protection Association - NFPA 704

HEALTH 1
FLAMMABILITY 1
INSTABILITY 1

Analysis:

- Water
- Ethanediol
- Propenoic Acid
- Butyl Ester
- Polymer with Ethenyl Acetate
- Kaolin
- Keiselguhr
- Propanoic Acid
- Methylmonoester with Trimethyl
- Pentenediol
- Titanium Oxide
- Aluminum with Petroleum Distillates
- % Proprietary Ingredients

Contains **NO** chromium, lead or mercury. Place opened empty containers in normal refuse for disposal. Contact your sanitation department or household hazardous waste coordinator for information concerning re-use, recycling or disposal of unused paint.



Manufacturer Name: Paint On Screen
U.S. Contact Info.:
Business Phone: 800.236.8015
Technical Service Phone: 800.236.8015 ext. 2
Business Fax: 800.236.8015

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name CAS# Lower Percent Upper Percent

Acrylic polymer(s) No data 10 30
Ethylene Glycol 107-21-1 1 5
2,2,4-Trimethyl-1,3-Pentanediol Monoisobutyrate 25265-77-4 1 5
Titanium dioxide 13463-67-7 0.1 1
Non-hazardous ingredients 60 100

SECTION 3: HAZARDS IDENTIFICATION

Emergency Overview: Irritant.

Potential Health Effects:

Eye Contact: May cause irritation.

Skin Contact: May cause irritation.

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

Ingestion: May be harmful if swallowed. May cause vomiting.

Chronic Skin Contact: Prolonged or repeated contact may cause skin irritation.

Target Organs: Eyes. Skin. Respiratory system. Digestive system.

Signs/Symptoms: Overexposure may cause headaches and dizziness.

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

Extinguishing Media: Use alcohol 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 pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use proper personal protective equipment as listed in section 8.

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.

Environmental Precautions: Avoid runoff into storm sewers, ditches, and waterways.

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

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.

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.

Hand Protection Description: Wear appropriate protective gloves. Consult glove manufacturer's data for permeability data.

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.

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.

Ingredient Guidelines Guideline Type Guideline Information

Ethylene Glycol

ACGIH TLV-STEL C 100 mg/m³ (Aerosol only)

Titanium dioxide

OSHA PEL-TWA 15 mg/m³

ACGIH TLV-TWA 10 mg/m³

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State/Appearance: Liquid

Color: White to Silver Grey to Silver

pH: 8.5 to 9.5

Vapor Density: Greater than 1 (Air = 1)

Density: 8 - 10 Lbs./gal.

Molecular Formula: Mixture

Molecular Weight: Mixture

Flash Point: No Data

VOC: Material VOC: 84gm/l (Includes Water)"

"Coating VOC: 246 gm/l (Excludes Water)

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Heat, flames, incompatible materials, and freezing or temperatures below 32 deg. F.

Incompatibilities with Other Materials: Oxidizing agents. Strong acids and alkalis.

Hazardous Polymerization: Not reported.

Hazardous Decomposition Products: Incomplete combustion may produce carbon monoxide and other toxic gases.

SECTION 11: MSDS SPEC COVERAGE

This specification covers all paint on screen products as of 12/1/2008

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

SECTION 14: TRANSPORT INFORMATION

DOT UN Number: No Data

DOT Hazard Class: No Data

SECTION 15: REGULATORY INFORMATION

2,2,4-Trimethyl-1,3-Pentanediol Monoisobutyrate

TSCA 8(b): Inventory Status: Listed

Canada DSL: Listed

Ethylene Glycol

TSCA 8(b): Inventory Status: Listed

State: Listed in the New Jersey State Right to Know list.

Listed in the Pennsylvania Hazardous Substances list.

Canada DSL: Listed

Titanium dioxide

TSCA 8(b): Inventory Status: Listed

State: Listed in the New Jersey State Right to Know list.

Listed in the Pennsylvania Hazardous Substances list.

Canada DSL: Listed

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

SECTION 16: ADDITIONAL INFORMATION

MSDS Revision Date: 06/26/2008

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only

as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information

relates only to the specific materials designated. Refer to individual product safety Data sheets when using more than one product in combination with another.

References:

1. OSHA Hazard Communication Standard, 1910.1200 and Z Tables.
2. NIOSH Registry of Toxic Effects of Chemical Substances (RTECS) and Pocket Guide to Chemical Hazards.
3. Sax Dangerous Properties of Industrial Materials. Tenth Edition.
4. Hawleys Condensed Chemical Dictionary, Thirteenth Edition
5. IARC monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Man, WHO International Research on Cancer, 2004.
6. Industrial Hygiene and Toxicology, by F.A. Patty.
7. National Library of Medicine, Department of Health and Human Services, Hazardous Substances Data Bank (HSDB).
8. National Toxicology Program (NTP) Tenth Report on Carcinogens, 2002.
9. Brethericks Reactive Chemical Hazards Database. Version 2.
10. Gassarett and Doulls Toxicology, The Basic Science of Poisons.
11. The Merck Index: An Encyclopedia of Chemicals and Drugs. Merck and Company. Twelfth Edition 1998.
12. Threshold Limit Values for Chemical Substances and Physical Agents in the Work Environment and Biological Exposure Indices. TLV Booklet, 2003.