EDGE INSTALLATION GUIDE

Projection Screen Coating • Product Code G00EDGE

Surface Preparation • Priming • Application • Care

DOCUMENT	REVISION	SCOPE
POS-EDGE-IG-01	**October 13, 2026**	**EDGE on interior walls, including skim-coated walls**

This guide provides the standard field procedure for Paint On Screen EDGE, a water-based vinyl-acrylic projection screen coating (grey), applied to interior walls. The EDGE Technical Data Sheet (TDS) and Safety Data Sheet (SDS) govern whenever their instructions differ from this guide. For walls prepared with a skim coat, follow the dedicated guide, EDGE Installation on Skim-Coated Walls (POS-EDGE-SKIM-01); Section 4 summarizes it.

IMPORTANT Read the EDGE Safety Data Sheet (US or EU version) before opening or applying the product. Confirm substrate, ventilation, personal protective equipment, and site conditions before work begins.

BEFORE YOU BEGIN

- Verify the product, quantity, substrate, wall dimensions, and required finish before starting.
- Prepare a clean, dry, well-ventilated work area. Protect adjacent finishes, floors, equipment, and furnishings.
- Stage enough material to complete each coat. Do not begin a coat unless the whole wall can be finished while maintaining a wet edge.
- Use a test area when substrate condition, adhesion, texture, or application method is uncertain.

QUALITY STANDARD Projection surfaces magnify defects. Surface flatness, consistent film build, clean tools, and uninterrupted finishing strokes are essential to image uniformity.

1. QUICK REFERENCE: EDGE

Property	Specification
Product	EDGE, product code G00EDGE. Water-based vinyl-acrylic projection screen coating, grey.
Use	Interior use only.
Coverage	170 sq ft per gallon for the two-coat system at 4 mils wet / 1.4 mils dry (1 qt ≈ 40 sq ft; 5 gal ≈ 850 sq ft).
Coats	2 coats rolled; 2–4 coats sprayed.
Dry to touch	1 hour at 77°F (25°C), 50% RH.
Recoat	2–4 hours. Cooler temperatures and higher humidity extend drying.
Site conditions	Above 50°F (10°C); relative humidity 85% or less; surface moisture below 15%; surface at least 5°F (3°C) above the dew point.
Roller	Fresh microfiber cover for each coat; Teflon-coated recommended; 3/8–3/4 in synthetic nap (3/8 in on smooth or skim-coated walls).
Airless spray	2,000 psi; .017–.021 in tip.
Reduction	None normally required. Add water only when permitted by the EDGE TDS.
Cleanup	Mild soap and warm water.
VOC	0 g/L (zero VOC).
Weight	11.45 lb/gal.
Storage	40–90°F; protect from freezing; 12 months unopened.

APPLICATION LIMIT Interior use only. Do not apply below 50°F. Avoid brushing except in tight areas; roll as close to edges as possible.

2. PLAN THE JOB

- Measure the wall area. Confirm the ordered quantity covers the entire area for two coats; round up to the next whole container.
- Keep the room above 50°F and at or below 85% RH throughout application and drying.
- Confirm the surface is sound, clean, dry, smooth, free of contamination, and below 15% moisture.
- Gather fresh microfiber roller covers, roller frame, extension pole, painter's tape, drop cloths, a paddle and drill for mixing, a wet-film gauge, a bright work light for raking-light inspection, and approved spray equipment if applicable.
- Wear safety glasses or goggles and gloves. Add an N95 or better respirator for sanding and approved respiratory protection when spraying.
- Mark the exact projection boundary. Complete any light-absorbing border only after the screen surface is cured.

3. SURFACE PREPARATION

LEAD WARNING: EXISTING PAINTED SURFACES Scraping, sanding, or removing old paint may release toxic lead dust. Children and pregnant women are especially vulnerable. Use a NIOSH-approved respirator, contain dust, and clean with a HEPA vacuum and wet methods. Before starting, contact the National Lead Information Center at 1-800-424-LEAD or visit epa.gov/lead.

General preparation: all surfaces

- Remove dirt, dust, grease, oil, soap residue, wax, and other contamination with an appropriate cleaner. Rinse thoroughly and allow to dry.
- Scrape loose or peeling coatings. Sand checked, glossy, or uneven surfaces to a sound, dull, uniform finish.
- Seal water, grease, smoke, and other stains with the appropriate stain-blocking primer.
- Remove mildew with a commercial mildew remover, following the manufacturer's safety instructions. Mildew left in place can grow through the coating.
- Patch holes, cracks, seams, and imperfections. Sand repairs flush and remove all dust.

Substrate requirements

Substrate	Preparation requirement
Drywall	Joint compound must be fully cured. Fill and sand repairs smooth, then remove all sanding dust. Surface smoothness directly affects projected-image quality.
Skim-coated walls (Level 5)	Each skim coat must dry completely (at least 24 hours per coat under normal conditions; longer if thick, cool, or humid) and read below 15% moisture. Sand smooth with 180–220 grit, inspect under raking light, repair and re-sand, remove all dust, then prime. See Section 4.
Plaster	Allow bare plaster to cure and harden. Treat soft, porous, textured, or powdery plaster with 1 pint household vinegar per gallon of water; repeat until hard, rinse, and dry.
Masonry / concrete / block	Allow new work to cure per supplier instructions, normally about 30 days. Remove form-release and curing agents. Fill rough areas. If work cannot wait 30 days, allow at least 7 days and use an approved concrete and masonry primer.
Wood	Sand exposed wood to a fresh surface. Patch defects with wood filler or putty and sand smooth.
Glass / non-porous	Clean and degrease completely. Confirm adhesion with a test patch and use Paint On Screen Adhesive Primer.
Previously coated	Verify adhesion. Remove unsound coatings, dull glossy areas, feather edges, repair defects, and spot-prime as required.

4. WALLS WITH A STANDARD SKIM COAT

A skim coat is a thin, full-surface layer of joint compound (or gypsum finish plaster) applied over drywall or plaster to produce a smooth, uniform Level 5 finish. Projection walls are viewed in raking light, so a Level 5 finish is recommended. The complete procedure is in EDGE Installation on Skim-Coated Walls (POS-EDGE-SKIM-01). In summary:

1. Dry: let every skim coat dry completely (at least 24 hours per coat; longer if thick, cool, or humid) and confirm moisture is below 15%.

2. Sand: 180–220 grit, light pressure; do not sand through to the paper facing.
3. Inspect and repair: raking light; fill ridges, tool marks, pinholes, and low spots; let dry; re-sand.
4. Remove dust: vacuum with a soft brush attachment, then wipe with a barely damp microfiber cloth.
5. Prime: 2 coats Paint On Screen Primer over the entire wall, applied the same way (roll or spray) as the finish coats.
6. Test patch: 2–3 sq ft of EDGE, inspected under raking light.
7. Apply EDGE: 2 coats rolled (3/8 in nap) or 2–4 coats sprayed, following Sections 6 and 7.

PRIME THE ENTIRE WALL Unprimed skim coat absorbs coating unevenly and causes flashing: dull and shiny patches that show clearly under projection. Never apply EDGE directly to skim coat.

5. PRIMER SELECTION

Substrate	Primer system	Finish system
Drywall	2 coats Paint On Screen Primer	2 coats rolled or 2–4 coats sprayed.
Skim-coated walls	2 coats Paint On Screen Primer over a fully dry, sanded, dust-free skim coat	2 coats rolled or 2–4 coats sprayed.
Wood	2 coats Paint On Screen Leveling Primer	2 coats rolled.
Block / masonry	1 coat Paint On Screen Filler Primer	2 coats rolled or sprayed.
Glass / non-porous	1 sprayed coat Paint On Screen Adhesive Primer	2 sprayed coats after adhesion is confirmed.

WHY PRIMING MATTERS A uniform primer system controls absorption and levels the substrate so finish coats develop consistent color, sheen, and gain. Spray the primer the same way you will spray EDGE. Allow every primer coat to dry fully.

6. MIXING & ROLLER APPLICATION

CRITICAL TECHNIQUE Work continuously from one side of the wall to the other. Maintain a wet edge and finish every pass in the same direction.

1. Mix EDGE thoroughly with a paddle and drill before and during use. Shaking is not enough. Do not thin unless the EDGE TDS specifically permits it.
2. Install a clean microfiber roller cover (Teflon-coated recommended, 3/8–3/4 in synthetic nap; 3/8 in on smooth or skim-coated walls). Use a fresh cover for every coat.
3. Cut in only where necessary. Keep brushwork confined to tight areas and roll as close to all boundaries as possible.
4. Apply a generous, even vertical layer, working left to right. Target 4 mils wet-film thickness and check periodically with a wet-film gauge.
5. Allow the coating to begin setting for approximately one minute.
6. Make continuous vertical finishing strokes from top to bottom. Overlap the previous stroke by approximately 50% and keep consistent pressure.

7. Inspect immediately under broad, raking light. Correct holidays, lap lines, lint, drips, or uneven film while the surface remains workable.
8. Allow the coat to dry. Observe the 2–4 hour recoat window, then apply the next coat with a fresh roller cover using the same method.

Roller quality checks

Check	Acceptance criterion
Wet edge	No dry lap boundaries during application.
Direction	Final strokes are parallel and consistent from edge to edge.
Film build	Uniform wet-film thickness without thin areas or ridges.
Contamination	No lint, dust, debris, bubbles, runs, or embedded material.
Lighting inspection	Surface appears uniform under both normal viewing and raking light.

7. AIRLESS SPRAY APPLICATION

- Use a conventional airless sprayer at approximately 2,000 psi with a .017–.021 in tip. Confirm a uniform fan pattern before spraying the wall.
- Apply even, overlapping passes to a uniform 1.5–2 mil wet film per coat. Keep gun distance, angle, speed, and overlap consistent.
- Sprayed systems may require 2–4 coats to reach full uniformity.
- Spray the primer in the same manner as the finish coats.
- Maintain ventilation and use respiratory protection approved for the application and work environment.
- After soap-and-water cleaning, flush spray equipment with a compliant cleanup solvent when needed to prevent corrosion. Follow the solvent manufacturer’s safety instructions.

8. DRYING, COATS & FINAL FILM

Stage	EDGE: 77°F, 50% RH
Dry to touch	Approximately 1 hour.
Recoat	2–4 hours.
Rolled system	2 coats standard.
Sprayed system	2–4 coats as needed for uniformity.
Film build	1.5–2 mils wet film per sprayed coat (rolled coats: 4 mils wet).

Cooler temperatures, high humidity, limited airflow, and heavier film extend drying. Do not judge readiness by touch alone when conditions differ from the reference conditions.

9. SAFETY, CLEANUP & HANDOVER

General safety

- Use with adequate ventilation. Open doors and windows or provide mechanical fresh-air exchange throughout application and drying.

- If eye watering, headache, dizziness, or other symptoms occur, increase fresh air, use appropriate respiratory protection, and leave the area when necessary.
- Sanding or abrading dried film may release respirable dust, including crystalline silica. Use dust controls and approved particulate respiratory protection.
- Avoid eye and skin contact. Wash thoroughly after handling. Flush eyes with clean water and seek medical attention if irritation persists.
- If swallowed, contact Poison Control, an emergency department, or a physician immediately. Do not take internally.
- Keep out of reach of children. Keep containers closed and do not transfer material into unmarked containers.

Cleanup

- Clean spills, spatters, hands, and tools promptly with mild soap and warm water.
- Dispose of residue, wash water, used covers, and containers in accordance with local requirements. Do not discharge coating waste into storm drains.

Final inspection & handover

Inspection item	Confirm before handover
Surface uniformity	No visible lap lines, streaks, holidays, runs, ridges, lint, debris, or patchy sheen.
Coverage	Projection boundary is complete and matches approved dimensions.
Cure	Required dry, recoat, and service times were observed for actual temperature and humidity.
Optical check	Projected test image is visually uniform from intended viewing positions.
Records	Product, batch/lot, coat count, application dates, site conditions, installer, and deviations are recorded.
Documents	Owner receives the EDGE TDS, SDS, this guide, and care instructions.

Care after installation

Allow the coating to cure fully before cleaning or service. Use mild soap, water, and a soft non-abrasive cloth or mop. Avoid aggressive chemicals, abrasive pads, and concentrated scrubbing unless specifically permitted by the product documentation.

TECHNICAL SUPPORT For product selection, unusual substrates, environmental limits, or application questions, contact Paint On Screen before proceeding.

PAINT ON SCREEN

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