



MasFlash

LIQUID APPLIED AIR, WATER & FLASHING BARRIER

Single-Component · SBR Elastomeric · Liquid Applied

BREATHABLE · PAINTABLE · PRIMER-FREE



PRODUCT DESCRIPTION

MasFlash is a high-performance, single-component, Styrene Butadiene Resin (SBR) elastomeric liquid flashing and weather-resistive barrier membrane. It works as both a membrane and a flashing, protecting structures from moisture intrusion, air leakage and environmental stressors.

This low-odor barrier can be brushed, rolled or sprayed and **requires no primer** on most substrates. It forms a permanent, breathable, waterproof seal with excellent adhesion to common construction substrates, **including green concrete**. Low VOC, easy to apply, and cleans up with soap and water.

Use MasFlash on rough openings, wood bucks, steel, around penetrations, and on broad wall areas as a weather-resistive barrier. Meets **AAMA 714-22 & AAMA 714-19**.

COMPATIBLE SUBSTRATES

- Masonry / CMU
- Concrete (incl. green)
- Brick
- Steel
- Exterior Gypsum
- Building Envelope Systems
- Aluminum
- Wood / Wood Bucks
- Vinyl
- Stucco*
- OSB / Plywood Sheathing

*Verify compatibility per the stucco manufacturer's TDS. Dry-patch stucco is not recommended.

SURFACE PREPARATION

- Surfaces must be clean, dry, and free of dirt, dust, oil, mildew, frost and other contaminants.
- Repair all structural damage before application.
- **Back-bed and seal all wood bucks, and treat all cracks, seams and transitions greater than 1/8", with MasFlex WG50 Hybrid Sealant** before applying MasFlash. See **Step 1** on the next page.
- No primer is required on most common substrates. Field adhesion testing is recommended to confirm adhesion to the actual substrate.
- Protect surrounding surfaces not intended to receive the membrane.

MIXING

Do not induce air if the product needs to be mixed. Do not dilute the product with water.

PRODUCT SPECIFICATIONS

Property	Value
Chemical Base	Styrene Butadiene Resin (SBR)
Color	Teal / Arctic White
VOC Content	< 50 g/L (excl. water & exempt)
Weight per Gallon	11.11 ± 0.5 lbs./gal
Specific Gravity	Approx. 1.33
Weight / Volume Solids	Approx. 66.42% / 53.0%
Consistency	Paste / Brush-able
Application Temp.	40°F and rising; substrate ≤ 160°F
Service Temp.	-30°F to +180°F
Freeze-Thaw Stability	Passes 5 cycles @ 0°F
Tooling Time	10–20 minutes
Tack-Free Time	60 minutes
Paint Over / Recoat	6–8 hours
Full Cure	24–72 hours
UV Exposure	Cover within 180 days
Coverage @ 30 mils wet	Approx. 53 sq. ft. per gallon
Shelf Life	18 months (stored 50°F–80°F)



STEP 1 — TREAT THE ROUGH OPENING WITH MASFLEX WG50

REQUIRED FOR THE MASFLEX SYSTEM

Before MasFlash is applied, detail the cracks, seams and transitions in and around the rough opening as described below. MasFlash then goes over a continuous, sealed surface with no voids for the membrane to bridge.

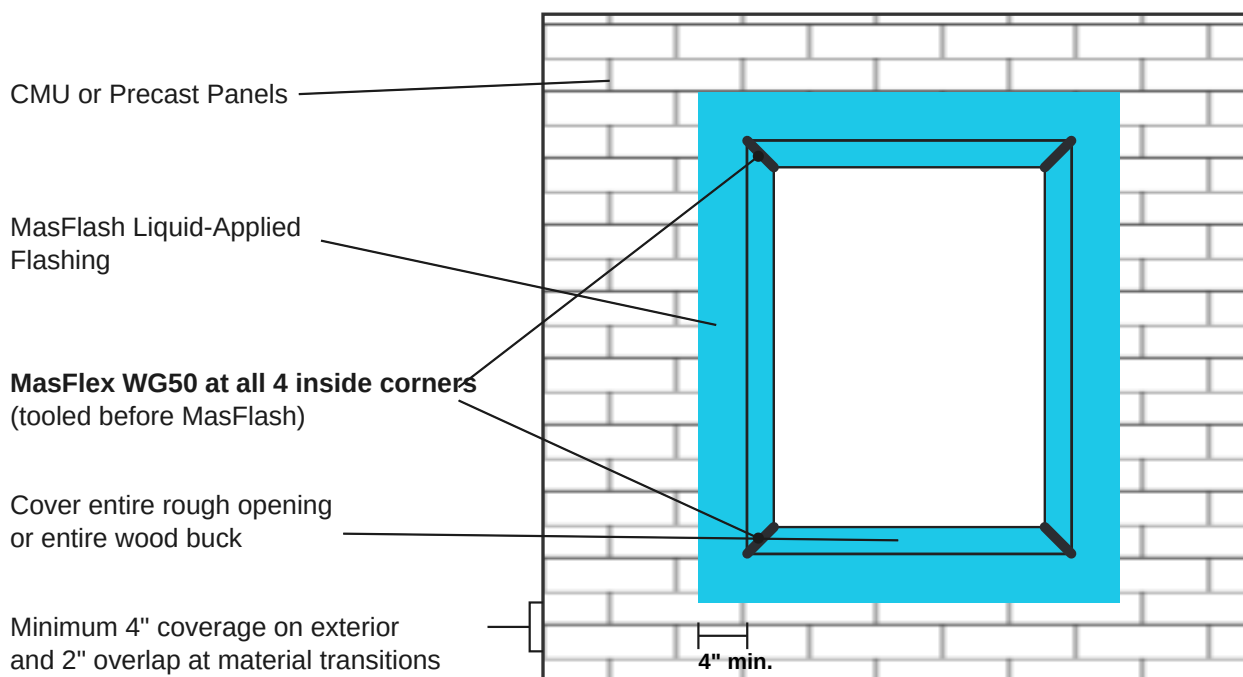
- 1 Make sure the rough opening has not been damaged or cracked during construction. Repair any damage or defects before installing the liquid flashing. Wood bucks with decay or water damage must be repaired or replaced.
- 2 **Wood buck preparation (critical):**
 - **Back-bed every buck:** before setting the buck, apply MasFlex WG50 to the back of the buck in a continuous zig-zag pattern from top to bottom.
 - **Seal every fastener head:** once the buck is fastened, cover each screw or fastener head with WG50, extending $\frac{3}{4}$ " to 1" in diameter over the head.
 - **Seal every buck joint:** seal all joints where the buck meets the opening, including between bucks and at the top and bottom of each buck, with WG50.
- 3 **Cracks, seams and transitions 1/8" or less:** detail with MasFlash applied at a minimum of 30 wet mils, overlapping each surface by at least 1/4". Alternatively, cover with MasFlex WG50 overlapping each surface by at least 1/4".
- 4 **Cracks, seams and transitions greater than 1/8":** detail with **MasFlex WG50**. For joints wider than 1/2", install backer rod about 1/8" larger than the joint width and apply WG50 at a 2:1 width-to-depth ratio (maximum joint width 1-1/2").
- 5 **Cast-in-place concrete:** fill bug holes and other surface imperfections with a detail coat of MasFlash (multiple coats may be needed) or with MasFlex WG50.
- 6 **Corners:** detail all corners (where the head meets the jambs and the jambs meet the sill) with a cant bead of MasFlex WG50.
- 7 Tool all WG50 flush and smooth. **WG50 must be at least tack-free (approximately one hour at standard conditions)** before MasFlash is applied over it. Allow more time in cool or dry conditions.

STEP 2 — APPLY MASFLASH AS A LIQUID APPLIED FLASHING

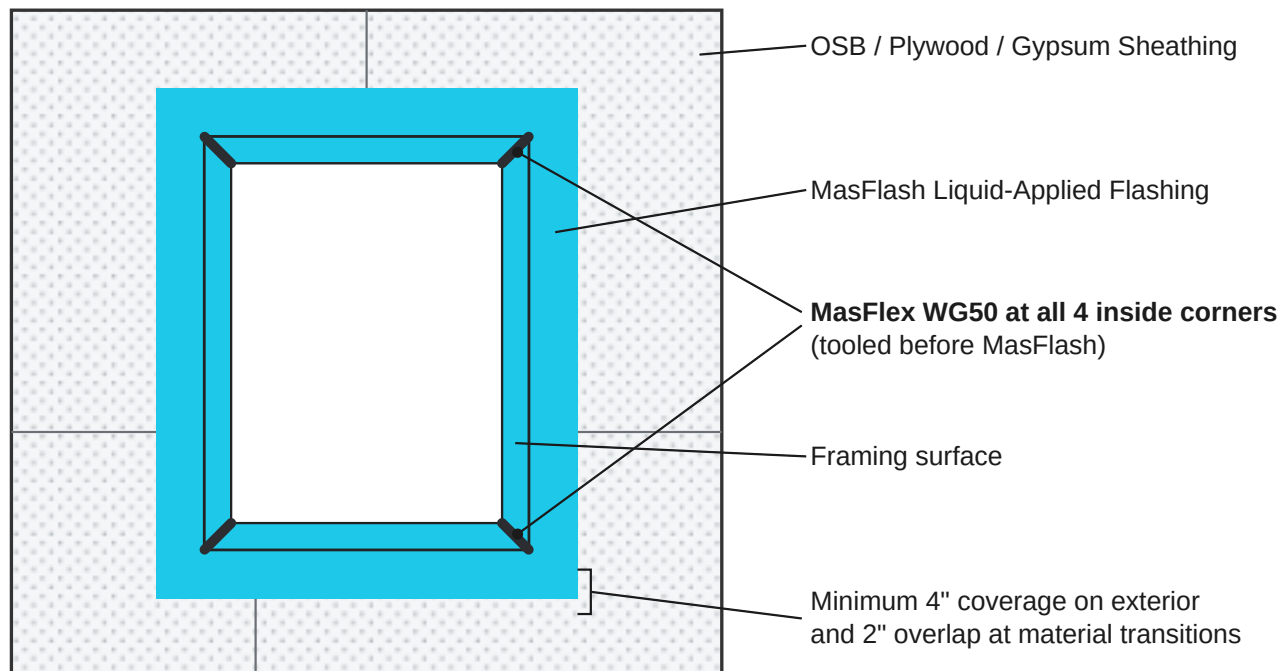
- Apply MasFlash by brush, roller or spray at a **minimum of 30 wet mils** over the entire rough opening, including the exterior face. For roller application, use a high-quality roller with a minimum $\frac{3}{4}$ " nap. Back-roll spray applications to ensure even coverage and eliminate pinholes.
- **Use a wet mil gauge** to confirm at least 30 wet mils on every coat.
- Work the product into the substrate so it fully penetrates the surface. The finished membrane must be continuous and free of pinholes or openings.
- Apply additional coats as needed for a uniform film. Let each coat become tack-free before recoating. MasFlash can be applied up to **60 wet mils** without sagging.
- **Minimum coverage:** 4" onto the exterior face around the opening, and the full depth of the rough opening or wood buck. Overlap at least 2" at material transitions.
- Allow at least **24 hours** of cure before installing windows or doors. Skin and cure times vary with temperature and humidity.
- Check local building codes and project specifications for additional requirements.

NOT INTENDED FOR AREAS THAT WILL BE SUBMERGED IN WATER. KEEP PRODUCT FROM FREEZING PRIOR TO APPLICATION / CURING. NOT FOR FOOD CONTACT SURFACES. PRODUCT CANNOT BE SANDED.

CMU or Precast Panel Installation



OSB / Plywood / Gypsum Sheathing Installation





PREPARATION

When applying over plywood / OSB sheathing, prepare all board seams with MasFlex WG50 or with mesh tape and MasFlash:

- 1 Option 1 (Recommended):** Apply a generous bead of **MasFlex WG50** into the board seams and strike flush. Allow the sealant to become tack-free before applying MasFlash.
- 2 Option 2:** With a dry, clean joint knife or trowel, apply MasFlash over all seams and corners. Embed a compatible mesh tape securely in the MasFlash, then trowel MasFlash over the tape so it extends at least 1" beyond the edge of the seam. Ensure an even coat with no pinholes, and let it become tack-free before coating the full wall.

Flash all rough openings first, as described on page 2. Let the flashing become tack-free before applying MasFlash across the entire exterior surface.

Sheathing fasteners should be flush with the surface. Seal fasteners that protrude or are sunk below the surface with **MasFlex WG50**.

APPLICATION

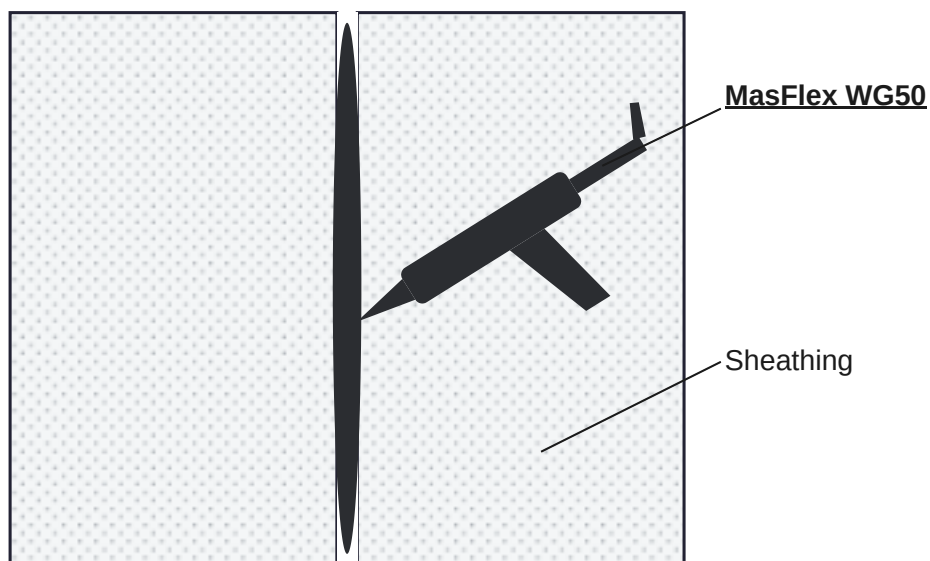
- Once all seams and rough openings are prepared, apply MasFlash by brush, roller or spray at a **minimum of 30 wet mils** over the exterior surface. Use a wet mil gauge to confirm thickness.
- For roller application, use a high-quality roller with a minimum $\frac{3}{4}$ " nap. Back-roll spray applications to ensure even coverage and eliminate pinholes.
- The finished membrane must be free of openings or pinholes across the entire surface. Apply additional coats as needed, letting each become tack-free first. MasFlash can be applied up to 60 wet mils without sagging.
- Let the membrane become tack-free before installing cladding or any components in rough openings. Tack-free times vary with humidity and conditions.
- Check local building codes and project specifications for additional requirements.

POST-APPLICATION

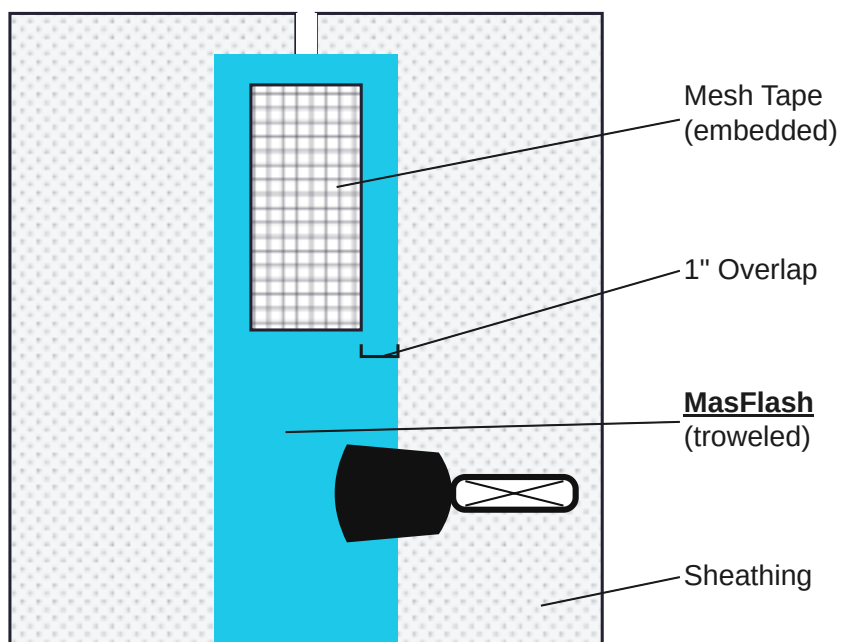
- MasFlash must be **covered or top-coated within 180 days** of application to prevent UV damage.
- Install cladding per the cladding manufacturer's instructions. MasFlash is self-sealing and does not require additional sealing around properly installed cladding fasteners.
- MasFlash is paintable 6–8 hours after application.
- Cap or protect exterior walls to prevent moisture intrusion. Integrate the barrier with the roofing system where wall meets roof or soffit, and with other building wrap and waterproofing systems per their manufacturers' instructions.

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Option 1 (Recommended): Plywood / OSB Sheathing Seam Preparation

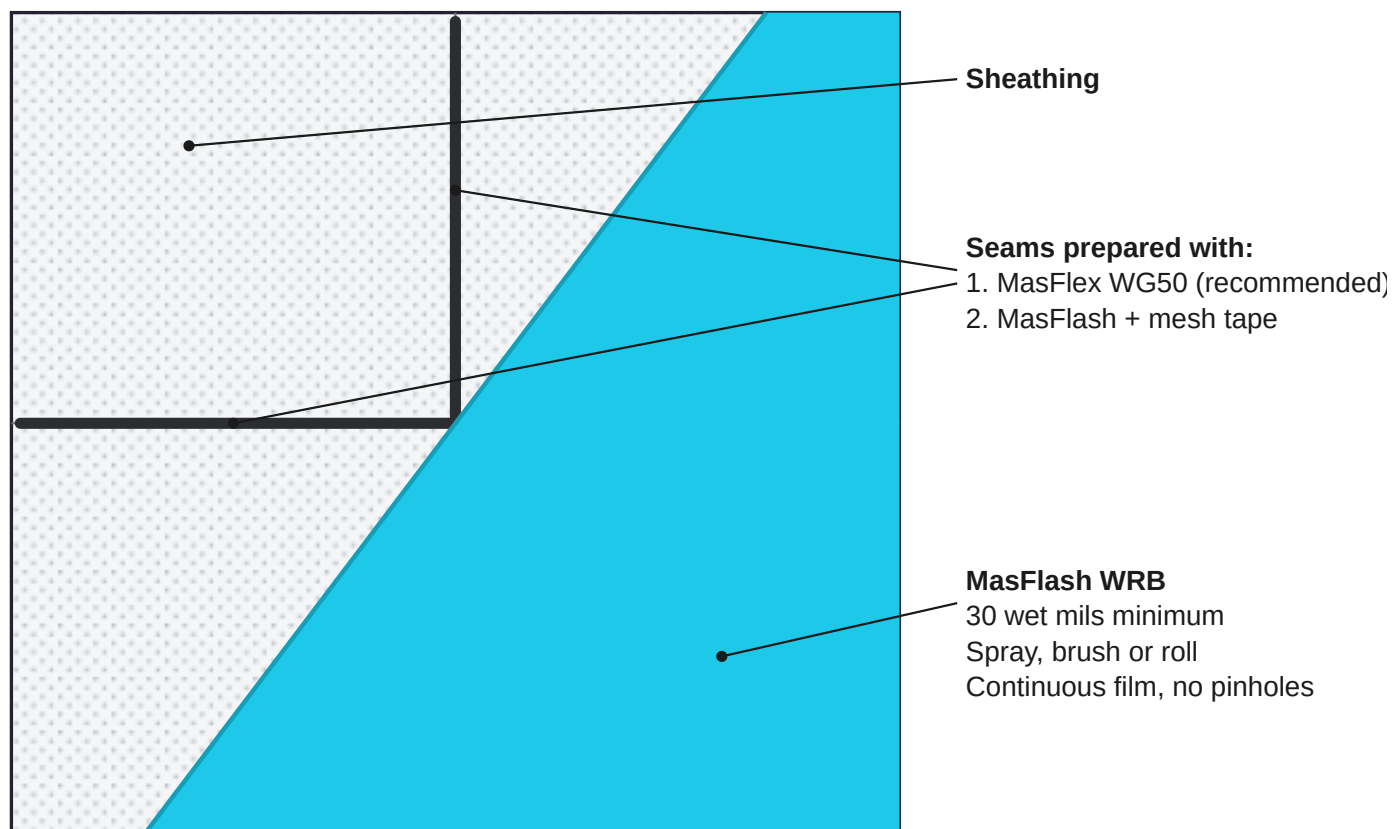


Option 2: Plywood / OSB Sheathing Seam Preparation





MasFlash Weather-Resistive Barrier Application Diagram





CLEAN UP

Immediately after use, clean uncured material and tools with soap and water. Remove cured membrane by cutting with a sharp-edged tool.

LIMITATIONS

- Apply only when product, surface and air temperatures are above 40°F and rising.
- Do not apply to surfaces exceeding 160°F, to frozen substrates, before heavy rain, or before extreme weather events.
- Not for below-grade applications or areas where frequent water ponding may occur.
- Not intended as a structural sealant or for permanently exposed surfaces. Must be covered or top-coated within 180 days.
- Compatible with stucco; refer to the stucco manufacturer's TDS, as an adhesion promoter may be required. Dry-patch stucco is not recommended.
- Not intended for same-day window or door installation. Allow at least 24 hours of cure first.

STORAGE

Store MasFlash in original, unopened containers, away from heat and direct sunlight, between 50°F and 80°F. Keep from freezing. When stored correctly, shelf life is 18 months from the date of manufacture.

DANGER! May cause eye irritation. May cause cancer. May cause genetic defects. May cause damage to organs through prolonged exposure. This product contains crystalline silica; dust from sanding may cause lung cancer or silicosis. Do not sand. Avoid contact with skin, eyes and clothing, and do not breathe vapor. Use personal protective equipment as required and wash thoroughly after handling. **Eye contact:** flush immediately with running water for at least 15 minutes and get medical attention. **Skin contact:** wash with soap and water; do not use solvents or thinners. **If swallowed:** do not induce vomiting; get medical advice immediately. **KEEP OUT OF REACH OF CHILDREN.**
Read the MasFlash Safety Data Sheet (SDS) before use. Emergency: Chemtrec 1-800-424-9300. SDS available at MasFlex.org or info@masflex.org.

MASFLEX SYSTEM WARRANTY

An extended system warranty is available when MasFlash is installed with **MasFlex WG50** in accordance with this guide and the MasFlex System Warranty program requirements. Project registration is required before installation. Contact your MasFlex representative for details.

Warranty: MasFlex warrants this product to be free from manufacturing defects. The installer is responsible for testing this product on the surfaces of the intended application for compatibility and performance before use. This is the sole and exclusive remedy and liability for defects or failure of this product. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, WRITTEN OR ORAL, STATUTORY, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Values based on laboratory testing; field results may vary. MasFlex reserves the right to revise. Always consult the current TDS and SDS before use.