



**Mad Dog Paint Products, Inc.**  
309 Plum Street North, Northfield MN 55057  
507-645-7431 (Fax) 888 234 9739

## Technical Specification Sheet

# Deck Fix™ Primer *with Weather Smart™*

### General Description:

**Mad Dog Deck Fix™ Primer (MDDF)** is a water-based, non-toxic, low VOC, stabilizing primer. MDDF penetrates in and around old coatings and stabilizes peeling deck surfaces. MDDF is also the best solution for new or older weathered decks and railings. **Mad Dog Deck Fix™ Primer** grabs on like glue, remains flexible & locks down solid latex decking stain for years and years.

Deck Fix seeps into these spaces and 'glues' them in place, stabilizing the area to help stop future problems. The (patent pending) formula of Deck Fix penetrates and acts as a flexible stabilizing primer. Deck Fix stabilizes the stained surface so the topcoat can do its job for years and years.

### Benefits:

- Reduces & solves decking problems
- Reduces excessive preparation
- Lets moisture breathe through coatings.
- Reduces and stops rusty nail head bleed
- Effective on light and moderate rust and tannin bleed
- Effectively doubles and triples the project life of trouble areas.
- Glue-like adhesion up to 300 PSI
- Flexes up to 300%
- Uses **Weather Smart™** Technology (patent pending)
- Non-toxic, solvent free, non-mercuric
- Low VOCs (below .40 lbs per gal)
- Soap and water clean-up

### Topcoating:

• Top coat only with 100% solid latex (non-alkyd modified) deck stains. 2 coats of solid latex deck stain is recommended for best results.

### Coverage Rates:

Approximately 300 – 350 SF Gallon.

**Dry Time:** Dry time is normally 1 hour to the touch and recoat in 3 hours. Product applies milky red/brown and dries a clear brown. *Note: Product seeps under the edges of remaining paint or stain layers or has filled minute surface cracks may take longer to dry than material on exposed surfaces.*

**Tinting:** Product may be tinted up to 4 oz. per gallon of universal colorant. Use 1/2 quart formula per gal tinting formula. Backfill with white when appropriate.

### Application Tips:

- Follow normal preparation and painting practices. Sanding can be done to a desired smoothness. Surfaces to be coated should be clean, dry (below 15% moisture content) and free of grease, oil and other contaminants that could interfere with proper adhesion. Clean mold and mildew from all surfaces and let dry before applying any coatings.
- Preparation and sanding should be done to a desired smoothness before applying primer.
- Apply 1-2 light coats to stabilize area.
- Thoroughly coat cut ends and joints.
- For best results: apply MDDF in the shade with surface temperatures between 45-90 degrees F.
- First test product on smaller area for compatibility with top coat.
- Top coat within 24 hours. If MDDF does get wet, allow MDDF to dry clear before staining.
- MDDF may be brushed, rolled or spray applied. MDDF is *ready to use and should not be diluted with water before application.*

**Sock Advisory:** MDDF will remain tacky until top coated. We recommend you remove your shoes when walking on MDDF when it is dry. *We recommend you wear only socks when applying the 1<sup>st</sup> finish coat of solid latex decking stain.* Your socks are more forgiving to the tacky primer and will not tear up the *Deck Fix* from the deck surface.

**New uncoated or pressure treated wood:** Smooth planed lumber must be sanded or treated with a deck brightening solution to break the "mill glaze" to allow proper penetration and adhesion of MDDF. MDDF can be used on new pressure treated wood as long as it is porous.\*

**\*Test Wood Porosity before staining:** Avoid using MDDF on non-porous, sealed wood. To test, place a few drops of water on the wood surface. If water quickly sinks in, the wood is porous enough to primer. If water remains on the surface, do not apply any coatings. Wait 3-4 weeks and test again.

**Cold Weather Advice:** During cold weather conditions hovering between 40-55 degrees, apply MDDF in the morning and let it dry during the day. Wait until next morning to apply top coat. Always stop work well before

*Weather Smart™ is a trademark of the Mad Dog Paint Products Corporation. Patent Pending*

the end of the work day to allow all products to set up before nightfall and temperature drops.

More guidelines & technical info can be found at:  
[www.maddogprimer.com](http://www.maddogprimer.com).

**Application Methods** – Shake or stir before using. Do not thin under normal circumstances. Apply with brush and/or roller or airless sprayer. Back brush or roll to work product into cracks and edges of old paint or stain. When properly applied, Mad Dog Primer should dry to a sheen. Apply a second coat if dull spots appear. In most cases only one coat is necessary to prime most surfaces. If excessive absorption occurs over very porous substrates a second coat may be necessary. Spot painting over spot primed areas is recommended to avoid flashing.

- Brush, Roller or Pad – Use synthetic (nylon, polyester or blend)
- Airless Sprayer – Use .015" – .017" tip @ 1800–2200 PSI

**Common Sense Deck Advice:** Hot weather, direct sun and wet rainy moist weather harm coatings. These conditions are especially tough on horizontal deck surfaces and stairs. Pooling water, direct sun and hot weather will soften any coatings. Remove the standing water, slush and snow with a soft bristle broom will help the area dry faster. During these times, move furniture carefully. Don't drag furniture as it might scar the coating down to the bare wood.

**Periodic Maintenance:** Since every stain will show wear and tear over time, especially in traffic areas, you should apply a single coat of solid latex decking stain every 2 years to extend the life of your deck.

#### **SURFACE PREPARATION:**

Surfaces to be coated should be clean, dry and free of grease, oil, wax, wallpaper adhesive and other contaminants that could interfere with proper adhesion. Remove excess chalky material.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Scrape and sand peeled or checked paint to a sound surface. Sand glossy surfaces dull.

Always wash surface with a household ammonia and water solution, appropriate cleaning solution, or solvent (Do not use TSP as a cleaner). Remove as much as possible of any unsoundly adhered coatings. Sand any remaining paint film edges to desired smoothness. Lightly sand exposed exterior wood with 80 to 100 grit sandpaper to remove loose or weathered wood fibers.

Attempt to remove existing stains by washing, sanding, scraping, etc.

Bare wood that has been exposed for more than 4 weeks should be lightly sanded or abraded to remove weathered wood fibers down to a pink color.

**Mold:** Remove mold and mildew before painting with a solution of one cup household bleach per gallon of water or a quality biocidal wash. Rinse well. Always wear protective clothing and goggles to prevent eye and skin contact with bleach. Do not mix ammonia or any other chemical with bleach solution.

**Application Conditions** – Apply when air and surface temperature is between 50o and 90o F (10o and 32o C) and relative humidity is less than 80%. Substrate moisture content should not exceed 14%. Never apply MDDF if weather conditions will not permit drying before rain, dew or freezing. Cool temperatures and/or high humidity can retard drying and curing. If MDDF does get wet, allow MDDF to dry clear before staining. Check primed surfaces for water/moisture/rain damage, correct problem areas, and paint as normal.

**CLEAN UP:** clean up with soap and water after use. Clean spills and spatters immediately with soap and water.

**Disposal** – Dispose of unused or unwanted product in accordance with local laws regulating water-based coatings.

**Product Storage:** Store between 40F – 95F. Keep from freezing or excessive heat.

**LIMITATIONS:** • Not for use with interior oils or latex enamels, interior latex enamels or other coating which dry to a hard finish. Not for use on problem Heavy tannin or Heavy rust areas, or where epoxies or industrial coatings and floor enamels are appropriate.

Deck Fix is manufactured to help prolong the adhesion of existing paint coatings and is not intended as a substitute for proper surface preparation or for application to surfaces where paint failure results from chronic or excessive moisture or moisture intrusion. Repair any source of moisture intrusion before attempting to repaint. Ongoing paint failure may require complete removal of the existing coating system.

**Precautions - WARNING! Do Not Take Internally.** May cause gastrointestinal irritation. If swallowed call physician or poison control center. Avoid contact with eyes and skin. May cause eye and skin irritation. In case of eye contact flush eyes with water for at least 15 minutes. Use with adequate ventilation. **Keep Out of Reach of Children.**

Use only with adequate ventilation. To avoid overexposure, 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, or wear respiratory protection (NIOSH approved) or leave the area. Adequate ventilation required when sanding or abrading

the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately.

**DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Abrading or sanding of dry paint film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. **WARNING:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**WARNING:** If you scrape, sand or remove old paint from any surface, 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. Carefully clean up with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and your family by contacting the U.S. EPA/Lead Hotline at 1-800-424-LEAD (5323) or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

**CAUTION:** Do not take internally. In case of ingestion, seek medical attention. Avoid contact with skin and eyes. Use of skin and eye protection equipment is recommended at all times. If contact with eyes occurs, flush with water for 15 minutes. If skin contact occurs, wash with soap and water. Seek medical attention if rash or other symptoms occur. Do not mix with other chemicals. Use in a well-ventilated work area. Close container after each use. Keep out of reach of children.

#### **TECHNICAL INFORMATION:**

Percent Solids, Weight: 50%  
Percent Solids, Volume: 50%  
Weight per gallon: 10 lbs.  
Viscosity Range: 105 KU  
Theoretical Spread Rate  
@ 1 mill DFT: 417 sq. ft (xx m<sup>2</sup>)/gal  
Dry Time @ 75o F/50% RH: Touch: 1 –2 hours  
Recoat: 3 hours  
Adhesion Cure @ 75o F/50% RH: 7 – 10 days  
VOC: 48 g/L  
Freeze/Thaw Stable: No  
Shelf Life: 24 mo @ 75o F (24o C)  
Storage/Handling: Store indoors 40o – 90o F(4o–32o C)  
Liquid appearance: Milky-red / brown  
Dried appearance: Clear-brown  
Properties when dry: Tacky and flexible

#### **LIMITED WARRANTY**

If this product fails to perform as specified herein, MDDP will furnish an equivalent amount of replacement product, or will refund the purchase price upon proof of purchase. MDDP will not be liable for any indirect or consequential damages. This warranty does not include labor or the cost of labor for the application or removal of any paint or primer. Conditions of use are beyond MDPP's control. There are thus no warranties of fitness or merchantability beyond that provided above. This warranty gives you specific legal rights which may vary from state to state.

**CAUTION:** Read and carefully follow all information on this technical data bulletin, on the product label, and on the material safety data sheet for this product. To the best of our knowledge the data contained herein are true and accurate at the date of issuance and are subject to change without prior notice. User must contact Mad Dog Paint Products to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Mad Dog quality control and assume no responsibility for coverage, performance, or injuries from use.

#### **Packaging Data:**

Gallons - 4 per carton – MDDF -100

**Preparation Notes:** Deck Fix will not reattach loose or peeling paint, which must first be removed to a sound, stable surface. It can help reduce the time spent on surface preparation, however, it is not a complete substitute for all surface preparation and all surface conditions.

**Moisture Notes:** Deck Fix will not resolve underlying moisture problems inherent in or behind the substrate.

**Filling Notes:** Deck Fix can help fill and level rough surfaces, however it is not intended as a replacement for wood fillers, caulk .

#### **Testing and Customer Expectation Notes:**

Always test a small area first for adhesion and topcoat compatibility. If you have a question about suitability for specific surfaces or specific topcoats, contact our Technical Service Staff.

**Preparation Notes:** Preparation and sanding should be done to a desired smoothness before applying primer.

**Product Use Notes:** Customers are urged to review and understand all information on this specification sheet, the website, and product labels before proceeding with any project.