



McDonalds – Weather Barrier Coatings Specifications

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

Site specific drawings and General Provisions including Supplementary and Special Conditions applying to the work addressed in this section. Weather Barrier Detail Drawings are available upon request.

1.02 DESCRIPTION OF WORK

Extent of Weather Barrier McDonald's Coating Systems work is indicated on the specification and is further defined by provisions of this section that includes roofing, flashing and reinforcing of joints and junctions, and roof accessories integrally related to roof installation. Areas to be re-roofed include positive slope existing roofs as indicated on the specification. Final determination of the fitness of the Weather Barrier System, or its components, for any given roof may be made by a member of Weather Barrier Technical Department or company authorized personnel.

1.03 QUALITY ASSURANCE

A. Manufacturer Qualifications: Provide primary products, including Weather Barrier Roofing & Wall Coating Systems, Weather Barrier Flashing Grade, etc., by a single manufacturer (WEATHER BARRIER), which has produced this type of product successfully for not less than ten (10) years. Provide secondary products only as approved by Weather Barrier for use with the specified Weather Barrier Systems.

B. Applicator Qualifications: A qualified applicator shall perform all work addressed in this section, and shall be a firm with references similar in scope to this project.

1.04 PRE-APPLICATION ROOFING INSPECTION

Prior to scheduled commencement of Weather Barrier Coating Systems application and associated work, the applicator shall conduct a meeting at the project site with the McDonald's Owner/Operator or representative and any other persons directly concerned with the performance of the work. The main purpose of this meeting is to review recommended methods and procedures related to the coating work, including but not necessarily limited to the following:

A. Tour representative areas of substrates to inspect and discuss conditions of substrate, penetrations and other preparatory work to be performed.

B. Review Weather Barrier Systems requirements, Weather Barrier specifications and other documents, if applicable.

C. Review required inspection(s), testing and material usage accounting procedures.



1.05 SUBMITTALS

As required, submit Weather Barrier's technical product data, installation instructions and recommendations for each type of required coating product. Include data substantiating that materials comply with requirements.

1.06 JOB CONDITIONS

A. Proceed with work only when existing and forecasted weather conditions will permit work to be performed in accordance with Weather Barrier recommendations and warranty requirements as follows:

1. Do not begin work if rain is expected within twenty-four hours of application, or if temperatures are expected to fall below 50EF or 10EC during the duration of the job.

Do not apply coating air or surface temperature is within 5EF of the dew point.

2. High end temperature restriction (both air and substrate) for application of Weather Barrier products is 120EF. If substrate temperatures exceed 120EF, recommend that Weather Barrier products be applied during cooler periods of the day. If this is not practical, the substrate can be cooled with water, and then Weather Barrier products applied just after the water has flashed-off. No moisture can be present when applying Weather Barrier products. Weather Barrier products applied to substrates at elevated temperatures (above 120EF) may experience blistering.

(NOTE: Darker colored substrates have higher surface temperatures)

3. Take into consideration curing properties of Weather Barrier Coating Systems; allow for sufficient daylight hours necessary for curing of materials.
4. Other weather and environmental conditions to consider are mist, dew, condensation and relative humidity. These factors can affect Weather Barrier drying times and, under extreme conditions, can result in product inconsistencies or possible wash-off.

B. Questionable Substrates: If any questions arise regarding the compatibility of Weather Barrier products with an existing substrate, Installer shall prepare test patches to check adhesion. Always contact Weather Barrier's Technical Department concerning questionable substrates, required additional information and recommended test patch materials.



1.07 PRODUCT HANDLING

Store and handle Weather Barrier materials in a manner that shall ensure there is no possibility of contamination. Store in a dry, well ventilated, weather-tight place at temperatures between 50EF and 80EF until product is ready to be applied (keep from freezing). Do not stack material pallets more than two high. Do not subject existing roof to unnecessary loading of stockpiled materials. Please note that all Weather Barrier water-based products are packaged in plastic containers, with the exception of one-gallon containers.

1.08 WARRANTIES

Provide Weather Barrier System Warranty per the requirement of the McDonald's owner/operator and/or Project Coordinator. See attached warranty.

Completed Warranty Registration must be returned to Weather Barrier with appropriate Applicator and Owner signatures no later than 30 day's after issuance by Weather Barrier.

1.09 TREATMENT OF SEAMS, FLASHING, FASTENERS

- A. Encapsulate all fasteners on metal roofs with Weather Barrier 1750 Mastic (approximately 800 fasteners per gallon)
- B. Flash all horizontal seams on metal roofs with Weather Barrier 1750 Mastic, then embed 4" Weather Barrier 302 polyester fabric, and cover the mesh with Weather Barrier 1750 Mastic (approximately 75 linear feet per gallon)
- C. Flash all vertical seams on corrugated metal roofs with Weather Barrier 1750 Mastic (approximately 180 linear feet per gallon).
- D. Flash all curbs, vent pipes, pinholes and other penetrations on metal panels and skylights with Weather Barrier 1750 Mastic, then embed Weather Barrier 302 polyester fabric and cover the mesh with Weather Barrier 1750 Mastic (approximately 75 linear feet per gallon).
- E. Weather Barrier Wall Coatings are designed to fill hairline cracks (less than 1/16") by brushing into the cracks. Allow 2-4 hours to dry.
- F. Weather Barrier 1750 Smooth Mastic or Weather Barrier Crack Cover Textured Mastic is recommended for larger cracks (1/8" or greater), brushed at a rate of 50-75 linear feet per gallon. Allow 2-4 hours to dry.



PART 2 -SYSTEMS

PREPARATION OF SUBSTRATES FOR WEATHER BARRIER COATING SYSTEMS

2.01 POSITIVE SLOPE ROOFS

2.01-A SHINGLE ROOF:

Asphalt, Fiberglass, Wood and Slate

SURFACE PREPARATION: All surfaces to be coated with Weather Barrier Roofing Systems must be pressure washed clean, dry and sound. Remove loose or peeling old paint, dirt, granules, biological growth and other surface contaminants by sweeping, vacuuming or power blowing. Granule removal is most easily done when the shingles are cool. Remove and replace any loose, curled or damaged shingles.

Make any necessary repairs to the roof using standard roofing practices as defined by the NRCA.

Refer to section 1.09 for treatment of Flashing repair.

After power washing, spot prime all areas where removal of granules has exposed bare asphalt with Weather Barrier 1850 Primer/Sealer at 300-400 square feet per gallon to prevent bleed into the topcoat. Towel off any asphalt stain that appears after the 1850 dries. Then apply a full coat of Weather Barrier 1850 Primer/Sealer at 300-400 square feet per gallon

SYSTEM:

- Spot prime with Weather Barrier 1850 Primer/Sealer at 300-400 square feet per gallon.
- Apply one coat of Weather Barrier 1850 Primer/Sealer at 300-400 square feet per gallon.
- Apply two coats of Weather Barrier McDonald's Roof Coating at 75-100 square feet per gallon per coat

2.01-B CONCRETE TILE ROOF:

SURFACE PREPARATION: All surfaces to be coated with Weather Barrier Roofing Systems must be pressure washed clean, dry and sound. Remove loose or peeling old paint, dirt, biological growth and other surface contaminants by sweeping, vacuuming or power blowing. Remove and replace any loose, missing or damaged tiles.

Make any necessary repairs to the roof using standard roofing practices as defined by the NRCA.

Refer to section 1.09 for treatment of Flashing repair.

SYSTEM:

- Apply one coat of Weather Barrier 1850 Primer/Sealer at 300-400 square feet per gallon.
- Apply two coats of Weather Barrier McDonald's Roof Coating at 75-100 square feet per gallon per coat.



2.01-C METAL STANDING SEAM:

SURFACE PREPARATION: All surfaces to be coated with Weather Barrier Roofing Systems must be pressure washed clean, dry, sound, and dull. Remove all loose, flaking or powdery rust or old paint by wire brushing if it has not been removed during pressure washing. Sanding may be needed to reduce the gloss of a previous coating to ensure good adhesion. Replace and/or refasten all loose or missing screws.

Make any necessary repairs to the metal roof using standard roofing practices as defined by the NRCA.

All cleaned rust areas must be treated with Weather Barrier 5003 Rust Inhibiting Primer to prevent further deterioration of the metal. All surfaces must be clean, dry and sound.

All rust must be completely covered by the Weather Barrier 5003. After spot treatment of the cleaned rusted areas, a full coat of Weather Barrier 5003 Rust Inhibiting Primer should be applied to the entire surface. Refer to section 1.09 for treatment of Seams, Fasteners and Flashing repair.

SYSTEM:

- Apply one coat of Weather Barrier 5003 Rust Inhibiting Primer at 200 square feet per gallon.
- Apply two coats of Weather Barrier McDonald's Roof Coating at 75-100 square feet per gallon per coat.

2.01-D METAL CORRUGATED

SURFACE PREPARATION: All surfaces to be coated with Weather Barrier Roofing Systems must be pressure washed clean, dry, sound, and dull. Remove all loose, flaking or powdery rust or old paint by wire brushing if it has not been removed during pressure washing. Sanding may be needed to reduce the gloss of a previous coating to ensure good adhesion. Replace and/or refasten all loose or missing screws.

Make any necessary repairs to the metal roof using standard roofing practices as defined by the NRCA.

All cleaned rust areas must be treated with Weather Barrier 5003 Rust Inhibiting Primer to prevent further deterioration of the metal. All surfaces must be clean, dry and sound.

All rust must be completely covered by the Weather Barrier 5003. After spot treatment of the cleaned rusted areas, a full coat of Weather Barrier 5003 Rust Inhibiting Primer should be applied to the entire surface. Refer to section 1.09 for treatment of Seams, Fasteners and Flashing repair.

SYSTEM:

- Apply one coat of Weather Barrier 5003 Rust Inhibiting Primer at 200 square feet per gallon.
- Apply two coats of Weather Barrier McDonald's Roof Coating at 75-100 square feet per gallon per coat.



901 Washington Street, Conshohocken PA 19428 Phone 800-533-3002



2.01-E WOOD ROOFING (SHINGLES & SHAKES)

SURFACE PREPARATION: All surfaces to be coated with the Weather Barrier Roofing Systems must be pressure washed clean, dry and sound. Remove all loose dirt, dust, oil, grease, and other surface contaminants that could effect adhesion, by sweeping, sanding, power blowing. If mildew is present, remove completely by sterilizing the surface with mildew remover and detergent. Rinse well and allow to dry before coating.

SYSTEM:

- Apply one coat of Weather Barrier 1850 Primer/Sealer at 300-400 square feet per gallon.
- Apply two coats of Weather Barrier McDonald's Roof Coating at 75-100 square feet per gallon per coat.

ALTERNATE SYSTEM:

- Apply 2 coats, wet on wet, of Weather Barrier CWF-UV at 150-350 square feet per gallon (depending on wood porosity & method of application – see technical data sheet)

2.02 WALLS

2.02-A MASONRY

Brick, Concrete, CMU, Split face Block, Stucco and EIFS

SURFACE PREPARATION: The surface should be thoroughly cleaned to remove dirt, grease, peeling paint, chalk and air pollution deposits ideally by power washing. Wire brush, acid etch, or blast clean as necessary.

NEW CONCRETE, STUCCO, CONCRETE BLOCK (CMU) should cure for at least 30 days before coating. Remove loose or excess mortar, efflorescence, laitance and concrete form release compounds that reduce adhesion. Seal chalky or porous masonry with Weather Barrier 1850 Primer/Sealer after cleaning.

PREVIOUSLY PAINTED SURFACES: The surface must be firm, free of loose paint, chalk, oil, grease, air pollution contaminants and mildew. Weather Barrier strongly recommends power washing to remove these contaminants. Rinse thoroughly and allow to dry before coating.

Refer to section 1.09 for treatment of crack and flashing repair.

SYSTEM:

- Apply Weather Barrier 1850 Primer/Sealer at a rate of 300-400 square feet per gallon to unpainted masonry.
- Apply two coats of Weather Barrier McDonald's 6500 Wall White at 300-400 square feet per gallon per coat.



2.02-B MASONRY (CLEAR SYSTEM)

Brick, Concrete, CMU, Split face Block and Stucco

SURFACE PREPARATION: The surface should be thoroughly cleaned to remove dirt, grease, chalk and air pollution deposits ideally by power washing. Wire brush, acid etch, or blast clean as necessary.

NEW CONCRETE, STUCCO, CONCRETE BLOCK (CMU) should cure for at least 30 days before coating. Remove loose or excess mortar, efflorescence, laitance and concrete form release compounds that reduce adhesion. Mask Areas to prevent the product from coating glass and other non masonry substrates. Remove product by wiping immediately if it does contact these substrates.

SYSTEM:

- Apply two coats of Weather Barrier High Performance Silicone Emulsion using a “wet on wet” procedure. The recommended spreading rates are as follows:
 - Concrete 80 square feet per gallon
 - CMU 80 square feet per gallon
 - Split Face Block 125 square feet per gallon
 - Stucco 125 square feet per gallon
 - Porous Brick 150 square feet per gallon
 - Dense Brick 350 square feet per gallon

2.02-C WOOD SIDING

SURFACE PREPARATION: The surface should be thoroughly cleaned to remove dirt, grease, peeling paint, chalk and air pollution deposits ideally by power washing.

PREVIOUSLY PAINTED SURFACES: The surface must be firm, free of loose paint, chalk, oil, grease, air pollution contaminants and mildew. Weather Barrier strongly recommends power washing to remove these contaminants. Rinse thoroughly and allow to dry before coating.

Refer to section 1.09 for treatment of crack and flashing repair.

SYSTEM:

- Apply Weather Barrier 1850 Primer/Sealer at a rate of 300-400 square feet per gallon
- Apply two coats of Weather Barrier 6500 Wall White at 300-400 square feet per gallon.



2.02-D WOOD TRIM

SURFACE PREPARATION: The surface should be thoroughly cleaned to remove dirt, grease, peeling paint, chalk and air pollution deposits ideally by power washing.

PREVIOUSLY PAINTED SURFACES: The surface must be firm, free of loose paint, chalk, oil, grease, air pollution contaminants and mildew. Weather Barrier strongly recommends power washing to remove these contaminants. Rinse thoroughly and allow to dry before coating.

Refer to section 1.09 for treatment of crack and flashing repair.

SYSTEM:

- Apply Weather Barrier 1850 Primer/Sealer at a rate of 300-400 square feet per gallon
- Apply two coats of Weather Barrier Wall Coating at 75-100 square feet per gallon.

2.03 WALLS – VERTICAL TRIM

2.03-A METAL

Railing, Doors, Trim (anodized aluminum) Light Poles, Gutters, Downspouts, Ladders, Catwalks, Bollards, Wall Caps and Fencing

SURFACE PREPARATION: All surfaces to be coated with Weather Barrier DTM Systems must be pressure washed clean, dry, sound, and dull. Remove all loose, flaking or powdery rust or old paint by wire brushing if it has not been removed during pressure washing. Sanding may be needed to reduce the gloss of a previous coating to ensure good adhesion.

All cleaned rust areas must be treated with Weather Barrier 5003 Rust Inhibiting Primer to prevent further deterioration of the metal. All surfaces must be clean, dry and sound.

All rust must be completely covered by the Weather Barrier 5003. After spot treatment of the cleaned rusted areas, a full coat of Weather Barrier 5003 Rust Inhibiting Primer should be applied to the entire surface.

SYSTEM:

- Apply Weather Barrier 5003 Rust Inhibiting Primer at a rate of 200 square feet per gallon
- Apply two coats of Weather Barrier McDonald's DTM Coating at 300 - 400 square feet per gallon per coat.