

BONFORT TECHNICAL DOCUMENT

BFT-6011MP Multi-Purpose Universal Roof Primer

TECHNICAL DATA SHEET**BFT-6011MP Multi-Purpose Universal Roof Primer**

Two-component water-based epoxy adhesion primer for low-slope roof restoration and coating systems

PRODUCT DESCRIPTION

BFT-6011MP is a two-component, water-based epoxy roof primer developed to improve adhesion of liquid-applied roof coatings on difficult or aged substrates. The cured primer forms a thin, rigid interlayer that promotes mechanical anchorage, reduces chalking and provides an effective barrier against asphaltic oil bleed-through beneath light-colored roof coatings.

The product is designed for use beneath acrylic, polyurethane, silicone and butyl roof coatings on low-slope commercial roof systems. This U.S.-market Technical Data Sheet emphasizes the technical items commonly reviewed by contractors, consultants and distributors, including solids, VOC, pot life, recoat window, adhesion screening, bleed resistance and field application conditions.



Code	BFT-6011MP
Product Name	Multi-Purpose Universal Roof Primer
Material Type	Two-component water-based epoxy adhesion primer
Color	Translucent light red; pigmented for visual coverage control and asphalt bleed-blocking identification
Mix Ratio	Part A : Part B = 9 : 1 by volume
Compatible Topcoats	Acrylic, polyurethane, butyl and silicone roof coatings; verify compatibility for project-specific materials
Typical Substrates	Aged asphaltic roofs, modified bitumen, BUR, concrete, masonry, galvanized metal, prepared single-ply membranes and previously coated roofs after cleaning and adhesion verification

FEATURES / BENEFITS

- Improves bond performance of liquid roof coatings on low-surface-energy, chalky or weathered roofing substrates.
- Blocks asphaltic oil bleed-through to help maintain appearance and long-term reflectivity of light-colored topcoats.
- Water-based, low-VOC formulation supports easier cleanup and compliance with common North American air quality expectations.
- Visible red tint helps applicators confirm full and uniform coverage across white or light-colored roof surfaces.
- Broad substrate versatility reduces the need to stock multiple primers across restoration and maintenance projects.
- Can be applied by brush, short-nap roller or airless spray for both large roof areas and detail work.

TYPICAL USES

- Primer beneath roof restoration coatings on low-slope commercial roof assemblies.
- Adhesion-promoting pretreatment for parapets, edge flashings, curbs, penetrations, transition walls and detail areas.
- Restoration work over structurally sound existing roofs, aged single-ply membranes and previously coated surfaces after cleaning and preparation.
- Projects requiring improved topcoat bond strength together with stain / bleed suppression over asphaltic substrates.

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TECHNICAL DATA - TYPICAL PROPERTIES

Property	Test Method / Basis	Typical Value
Packaging	Factory package	1 gal kit: Part A 0.9 gal + Part B 0.1 gal; 5 gal kit: Part A 4.5 gal + Part B 0.5 gal
Shelf Life	Unopened sealed containers	24 months when stored indoors at 40°F to 90°F (4°C to 32°C)
Appearance	Visual inspection	Part A: translucent light red liquid; Part B: amber to clear curing component
Volume Solids	ASTM D2597	45% ± 3% typical
Weight Solids	ASTM D1544 / internal QC	50% ± 3% typical
VOC Content	EPA Method 24	≤ 50 g/L typical
Mixed Specific Gravity	ASTM D1475	1.38-1.42 g/cm³ typical
Mixed Viscosity	ASTM D2196	12,000-18,000 cP typical at 75°F (24°C)
Pot Life	Field benchmark	Approx. 2 hours at 75°F (24°C), 50% RH
Tack-Free Dry Time	ASTM D1640	60-90 minutes typical at 75°F (24°C), 50% RH
Minimum Recoat Time	Field application guideline	2 hours or when tack-free and dry to touch
Maximum Recoat Window	Field application guideline	72 hours typical under clean, dry conditions

PERFORMANCE CHARACTERISTICS

Property	Test Method	Typical Value
Cross-Hatch Adhesion	ASTM D3359	Pass; no peeling, blistering or delamination in screening evaluation
Pull-Off Adhesion to Concrete	ASTM D4541	≥ 300 psi typical after full cure, substrate dependent
Pull-Off Adhesion to Metal	ASTM D4541	≥ 350 psi typical after full cure, substrate dependent
Asphalt Bleed Resistance	Accelerated stain / bleed test	Pass; effective suppression of asphaltic discoloration under white topcoats
Water Resistance	24-hour spot / immersion screening	No softening, blistering or loss of film integrity after full cure
Alkali Resistance	Internal mortar / concrete screening	Pass; suitable for prepared alkaline mineral substrates
Freeze-Thaw Stability	Internal QC, 3 cycles	Pass; remixable with no irreversible separation
Topcoat Compatibility	Application screening	Compatible with acrylic, silicone, polyurethane and butyl roof coatings after proper cure

APPLICATION INFORMATION / LIMITATIONS / DISCLAIMER

Coverage Rate	Approx. 0.8-1.2 gal / 100 sq ft (0.33-0.49 L/m²), depending on substrate texture, porosity and condition.
Application Conditions	Ambient air: 40°F (4°C) min. to 95°F (35°C) max. Substrate temperature: 40°F (4°C) min. to 120°F (48°C) max. Maximum RH: 80%.
Dew Point Requirement	Substrate temperature must remain at least 5°F (3°C) above dew point during application and cure to avoid condensation.
Moisture Exposure Hold Time	Protect from rain, dew and frost for a minimum of 8 hours after application, or longer in cool / damp conditions.
Surface Preparation	Substrates must be clean, dry, structurally sound and free of dust, grease, oils, mildew, peeling coatings and loosely bonded materials. Unknown substrates require field adhesion testing before full application.
Limitations	Do not apply over wet or frozen substrates, active leaks, or surfaces contaminated with uncured sealants, oils or release agents. Do not exceed maximum pot life. Use only as part of a complete, compatible roofing system.
Legal Note	Values shown are representative laboratory or quality-control values for technical submittal formatting and product positioning. Confirm final published values, certifications and project suitability with current BONFORT documentation before formal release or specification use.