



Roofers' Advantage Products, Inc.
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TECHNICAL DATA SHEET: FLASH DECK® METAL BASE

CSI Section: 07 65 00 (Flexible Flashing / Underlayment)

1. PRODUCT DESCRIPTION: Flash Deck® Metal Base is a premium, self-adhering high-temperature sheet underlayment engineered for metal roofing systems, featuring a 100% "Zero-Asphalt" butyl adhesive and high-traction slip-resisting facer. **Adhesive System:** Proprietary 100% "Zero-Asphalt" Butyl Rubber (cold-applied, immediate bond). **Nominal Thickness:** 17.5 mils avg. (Meets/exceeds ASTM D1970 performance requirements). **Service Temp & Stability:** -40°F to 240°F; passes ASTM D1204 at 240°F (<0.1-inch flow). **UV & Permeability:** 6-Month UV exposure rating; 0.042 U.S. Perms (vapor barrier). **Dimensions & Weight:** 4 ft. x 125 ft. (500 sq. ft. / 5 Squares); Weight: 48.75 lbs.

2. CODE COMPLIANCE & APPROVALS: Standards: Meets/exceeds ASTM D1970 / D1970M-21. **Building Codes:** Compliant with current IBC and IRC requirements. **Florida Building Code:** FL 47826 Approved (Excludes HVHZ). **TDI Compliance:** Compliant with Texas Department of Insurance standards. **Quality Assurance:** Certified under QAI Evaluation Report CERus-1056

3. PHYSICAL & PERFORMANCE TEST RESULTS (ASTM D1970 / QAI RJ9902P-1-R1):
Unroll-Ability (Sec. 5.2): Pass (40°F to 140°F). **Thickness (Sec. 7.2):** 17.5 mils avg. nominal composite (467.12 GSM). **Tensile Load & Elongation (Sec. 7.3):** Longitudinal (MD) 62 lbf/in, 66% elongation; Transverse (CD) 40 lbf/in, 20% elongation. **Adhesion to Plywood & OSB (Sec. 7.4):** Plywood at 40°F: 12.48 lbf/ft; at 75°F: 12.04 lbf/ft (OSB ~5.0–5.8 lbf/ft). **Thermal Stability (Sec. 7.5):** Pass (<0.1-inch flow at 240°F). **Flexibility Temp (Sec. 7.6):** Pass at -20°F (180° bend over 1-inch mandrel). **Tear Resistance (Sec. 7.7):** Longitudinal 76.5 lbf; Transverse 82.3 lbf. **Water-Vapor Permeability (Sec. 7.8):** 0.042 U.S. Perms. **Self-Sealability & Seam Integrity (Sec. 7.9/7.10):** Pass (Zero water leakage under hydrostatic head test).

4. INSTALLATION, STORAGE & WARRANTY: Application: Apply to clean, dry substrates at 5°F and rising with 4" side laps and 10" end laps; roll firmly with a roller. **Storage & Handling:** Store upright in a dry area (-20°F to 240°F). 2-year shelf life. **Warranty:** Standard material warranty with extended tiers up to 50 years for metal systems via Flash Deck® Certified Specialists. Administered by RAWC. Visit roofersadvantage.com for full documentation.