



ELEMENT365 PREMIUM GRADE COMMERCIAL MODIFIED ACRYLIC

ELEMENT365 TECHNICAL CHARACTERISTICS

CRRC Product code 1180-0001	
ASTM E1980, Initial and 3-year Solar reflectance	
SR Intl: .88, 3Yr: .77 / TE Intl: .86, 3Yr: .88 / SRI Intl: 111, 3Yr: 93	
ASTM C523 Sunlight Reflection	92%
ASTM C 1549	88%
Emissivity	0.86%
Viscosity D2196 Brookfield 73.4°	27,000 cps
Volume Solids (ASTM D2697)	63%
Weight Solids (ASTM D1644)	78%
Tensile Strength (ASTM D638)	473 psi
ASTM-D6083 (Fluid applied roof systems)	Conforms
ASTM E 108 Class A / UL790 equivalent	Pass
UL 2218 Class IV (Hail resistance)	Pass

TEMPERATURE RANGE

Application Degree Fahrenheit	50°/120°F
Service Degree Fahrenheit	0°/180°F
VOC (less than)	50 grms/L
Weight per Gallon (approximant)	11.4 lbs.

ELONGATION / ASTM D-4212

At 73°F	400%
At 32°F	160%

PERMEABILITY ASTM E-96

Water resistance (WVT) perm	.050
Dry Time @ 75°F	1-3 Hrs
Dry throughout	24-48 Hrs

COVERAGE

Per Gallon per square	10.0 mils
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APPLICABLE SUBSTRATES

ELEMENT365 is versatile, premium grade cost-effective product. Applications included: Asphalt cap sheet roof, metal roofs, foam roofs and single ply. **ELEMENT365** can be used on low slope surfaces, vertical surfaces, flashing, parapet walls, and penetrations.

CONDITIONAL REQUIREMENTS

Any unsound areas in the roof deck or insulation, including blisters, leaks, deteriorated areas, splits, cracks, areas with excessive moisture content, must be repaired or replaced prior to application. All blisters, deteriorated areas, wrinkles and loose areas must either be cut away and removed and replaced or otherwise repaired. Any moisture in the existing roof must be eliminated prior to application.

SURFACE CONDITION REQUIREMENTS

The surface must be clean, dry and sound. Any surface dirt, organic substance, grease, oils, solvents and cleaning solutions must be removed prior to application. Failure to properly prepare the surface can cause poor adhesion and application failure. All foreign materials that may impair adhesion MUST be removed prior to application.

TEMPERATURE / WEATHER PRECAUTIONS

Do not apply when surface or atmospheric temperatures are below 55°F or when measurable precipitation or freezing is possible within 24 hours. The Service temperature range is – 15°F – 180°F. The substrate temperature range for application is 50°F – 110°F.

ELEMENT365 is a premium grade high viscosity modified acrylic product. Our proprietary formulation utilizes a combination of select resins and specialty components to increase strength, adhesion, durability and provides greater resistance to ponding water. Priming resins are incorporated into the product eliminating the need for additional primers. **ELEMENT365**'s high solids content will provide a dry mil thickness of 10.0 mils per gallon over a 100 square foot area, 20% thicker than other leading products. **ELEMENT365** is highly reflective which reduces heat transfer into the facility providing energy savings. **ELEMENT365**'s high tensile strength and elongation offers a long-term solution for roof restoration projects.

PONDING WATER PROTECTION

ELEMENT365's proprietary formulation utilizes a combination of premium grade modified acrylic resins, and crosslinking components to increase resistance to ponding water, and increased protection in all critical areas.

APPLICATION EQUIPMENT

ELEMENT365 can be rolled, brushed or spray applied. The airless sprayer must have a high-volume capacity rate with a minimum 3000 psi spray pressure. Consult with your equipment manufacturer for recommendations or consult your **ELEMENT365** product representative for further details.

MATERIAL STORAGE AND HANDLING

Shelf life is twelve months from the original manufacturing date unopened and in the original containers. Storage of Materials: Materials must be stored in an area where temperatures will not be less than 55°F or higher than 100°F. Material Handling: Materials must be handled, stored and installed per Manufacturer's instructions and all applicable safety regulatory agencies.

TEST INFORMATION

Information provided is believed to be accurate at the time of publication and is subject to change. Some product data is typical and provided by material manufacturer's testing. Other testing performed by independent facilities and manufacturers in house and field testing. All testing data subject to change.



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