

# TECHNICAL DATA SHEET

## ULTIMA ROOF COATING



### DESCRIPTION



**Ultima Roof Coating** is a pigmented styrene/acrylate copolymer dispersion in water, which dries to form a durable, highly elastic weatherproof coating.

It has excellent water and alkali-resistance and fade-proof properties. It can be used on almost any type of surface including metal and concrete/cement. It can also be used on sloped wooden roofs, as such roofs are not subject to ponding (water). However, it is not recommended for FLAT wooden roofs.

### COLOUR RANGE

White, Red & Brown, Green

### COVERAGE

A spreading rate per coat of approximately 5 sq. yd. per U.S. Gallon is recommended (1 sq. m./litre.)

**Number of Coats:** 2 to 3 coats.

### APPLICATION RECOMMENDATIONS

Before application the surface must be free from grease and dust and must be firm. All heavily oxidised surfaces must be steel brushed and washed. Small cracks or open seams can be sealed with diluted Ultima Roof Coating and filled, if necessary, with a filler based on approximately 1-part Ultima Roof Coating and 3 parts of fine sand. The coating over "active" cracks or joints should be reinforced by embedding a scrim (woven fabric of approximately 2mm mesh-size) into the first coat of Roof Coating. Alternatively, the "active" cracks or joints may first be covered with bitumen-based adhesive tape (e.g. "Flashband") and then Ultima Roof Coating applied.

A first "priming" coat is advised using the Ultima Roof Coating diluted with clean water in a ratio of 4 parts of Roof Coating to 1 part of water. To obtain an ideal coating thickness for maximum durability, 2 coats of undiluted Ultima Roof Coating must be applied at a spreading rate of 5 square yards per gallon for each coat. On pitched roofs, a satisfactory coating may be obtained with a slightly higher spreading rate.

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The product may be applied by soft, long haired brooms or brushes, rollers or airless spray\*. The product should be layered on in an even coat in 1 direction. The second coat is applied in a similar manner at right angles to the first. Clean all equipment with water immediately after use.

**Ferrous Metals:** (Iron, Steel) Use an anti-corrosive Primer, e.g. Rust Chem Anchorlite Heavy Duty Primer.

**Non-Ferrous Metals:** (e.g. Aluminium) Apply 1 diluted and 2 undiluted coats.

**Old or Weathered Galvanised Sheets:** Clean very well with water and ammonia. Ensure that any rusted areas are prepared by scraping and wire brushing and covered with an anticorrosive primer, e.g. Rust Chem Anchorlite Heavy Duty Primer. Apply a diluted coat of Ulttima Roof Coating followed by 2 undiluted coats.

**New Concrete, Felt or Cement:** Apply a coat of diluted Ulttima Roof Coating followed by 2 undiluted coats. Very smooth concrete or unhydrated cement layers must first be treated with Concrete Etching Solution (or use 10% solution of muriatic acid).

**Weathered Concrete or Weathered Cement:** Be sure that all moss, fungi and algae growth are removed. Treat with Anti-Fungus Solution for sterilizing the “invisible” microbial growth in the pores of the surface. After treatment, rinse with clean water and apply a diluted coat of Ulttima Roof Coating, followed by 2 undiluted coats.

### **\*GUIDELINES FOR SPRAY APPLICATION:**

**Pump:** Gas or Electric Airless Sprayer

**Pressure:** Capable of pumping two (2) gallons per minute

**Tip:** 0.021 – 0.030 Reversible

**Pressure:** Minimum 2500 psi

**Hose:** ¼ inch (6.3mm) – 3/8 inch (10mm)

DO NOT APPLY ULTTIMA ROOF COATING IN RAINY WEATHER OR IF RAIN OR HEAVY DEW IS EXPECTED WITHIN 6 HOURS.

### **CLEAN- UP**

Clean tools and equipment with warm soapy water immediately after use.

### **COMPOSITION**

Titanium dioxide (White), Iron Oxide (Red & Brown), Phthalocyanine Green pigment (Green), preservatives, surfactants and specialty additives in styrene acrylic latex.

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### PROPERTIES

<b>Resin Type</b>	Styrene acrylic
<b>Thinner</b>	Water
<b>Dry to Touch (6 mils.)</b>	Approx. 3 hours
<b>Recoat</b>	4-6 hours or after overnight
<b>Grind (Hegman Scale)</b>	4+N.S.
<b>Gloss at 60°</b>	5-10
<b>Volatile organic content (VOC)</b>	95 grams per litre
<b>Viscosity (Kreb Units)</b>	80-100 K.U (Paste Spindle)
<b>Solids by weight</b>	55% +/- 2%
<b>Weight per gallon (US)</b>	9.6 +/- 0.3
<b>Substrate</b>	Concrete, Felt or Cement
<b>Pot Life</b>	Not applicable. Single Component
<b>Shelf Life</b>	2 years minimum

### PACKAGING SIZES

Available in 3.8 litres (1 US gal) and 19 litres (5 US gal).

### PRECAUTIONS

**KEEP OUT OF REACH OF CHILDREN**

**SAFETY DIRECTIONS**

**NON- FLAMMABLE.** Store in a cool place. Non- toxic under normal conditions.

**FIRST AID:** In case of skin contact, wash immediately with water. If product comes into contact with eyes, rinse immediately with plenty of water and seek medical advice. **DO NOT SWALLOW.** If ingested, give plenty of water and obtain medical advice.

### TECHNICAL ASSISTANCE

For advice and recommendation on the use of all Harris/BH Paints and Building Products, consult the Harris Technical Department, Tel: (246) 429-4840.

Email: [technical@harrispaintsonline.com](mailto:technical@harrispaintsonline.com)