

# KEYSITE 740

Registered Trademark



## EPOXY COATING

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### **GENERAL FEATURES:**

- Two-component catalyzed epoxy
- Versatile valve and tank lining system
- Excellent abrasion resistance
- High impact strength
- Superior salt water resistance
- Durable finish
- Outstanding bond strength
- California VOC compliant

### **PRODUCT DESCRIPTION:**

High solids, amine-cured epoxy formulated from the very finest ingredients. Its high build quality allows for a one-coat application in many service conditions over properly prepared surfaces. Excellent chemical and corrosion resistance in most water applications, corrosive fume service, and where high impact abrasion resistance is required.

### **PRINCIPAL USES:**

Steel vessels, pipes, pumps, valves, blowers, and structural weldments in many water, chemical, petroleum, and marine environments.

### **OTHER FEATURES:**

KEYSITE 740 is a high solid, VOC compliant epoxy, exceeding the most stringent air quality regulations. KEYSITE 740 is non-flammable and can therefore be easily applied in areas where another epoxy system might create a fire concern.

KEYSITE 740 is easy to apply and, if damaged, can be readily repaired in the field. It has the highest impact and bond strength in new applications and when applied over properly prepared existing KEYSITE 740 linings.

KEYSITE 740 has excellent resistance to the following: water (tap, fresh, salt, brackish, distilled, deionized, boiler feed to 180°F), alcohol, alkalis, gasoline, diesel fuel, sour crude, mineral solvents, toluene, xylene, kerosene, and non-edible vegetable oils.

### **GENERAL PHYSICAL PROPERTIES:**

Solids - 96%

#### **Drying Interval:**

| (Air & Surface Temperature) | 50-60°F | 60-80°F | 80-100°F |
|-----------------------------|---------|---------|----------|
| To Touch.....               | 48 hrs  | 24 hrs  | 18 hrs   |
| To Recoat.....              | 48 hrs  | 24 hrs  | 18 hrs   |

The physical properties of KEYSITE 740 will fully develop in about three days at 60°F. Chemical and abrasion resistance will be fully developed in four days at 60°F. Should more specific information be required on any given application, such information can be obtained by consulting SOCCO PLASTIC COATING COMPANY.

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### **GENERAL PHYSICAL PROPERTIES (CONT):**

|                                     |                              |
|-------------------------------------|------------------------------|
| Recommended Dry Film Thickness:     | 12-15 mils                   |
| Theoretical Coverage (sq. ft./gal): | 1,540 @ 1 mil, 110 @ 14 mils |
| Service Temperature Limits - Dry:   | 400°F                        |
| Immersion Water:                    | 170°F                        |
| Pot Life (1 gal size):              | 4 hours                      |
| Shelf Life - Part A:                | 24 months @ 70°F             |
| Shelf Life - Part B:                | 6 months @ 70°F              |
| Sheen:                              | Semi-gloss                   |
| Standard colors:                    | White, black, gray           |
| Other colors:                       | Special order                |
| Thinner required:                   | KEYSITE 740                  |
| Dielectric Strength:                | 800 volts/mil                |
| Hardness Cured Film:                | 100 Durometer Shore A        |

### **SURFACE PREPARATION:**

**Preferred:** White metal blast (SSPC-SP-5-82); **Minimum:** Commercial blast (SSPC-SP6-82)

### **APPLICATION:**

KEYSITE 740 may be applied by airless or conventional spray. Use "cross spray" application procedure. Move gun fast enough to avoid runs or sags. When KEYSITE 740 is applied at 160 sq. ft./gal, wet film thickness should be 8 mils to obtain 6 mils dry film thickness. Allow for loss due to application methods and conditions of surface irregularities. KEYSITE 740 can also be applied by brush.

### **SPRAY EQUIPMENT:**

**Airless Spray:** GRACO 6-21, Orifice top - 1/4" I.D., Teflon material hose, and 30.1 ratio pump;

**Conventional Spray:** DeVilbiss JGA gun with "E" tip and needle, #765 air cap on 1/4" air hose, 3/8" material hose, and standard pressure pot.

### **CLEAN UP:**

Clean spray equipment thoroughly with KEYSITE 740 Thinner.

### **SHIPPING WEIGHTS:**

Packaging and shipping weight: 1 Gallon Kit, 13 lbs; 5 Gallon Kit, 55 lbs.

### **SAFETY AND SHIPPING INFORMATION:**

**Precautions** - Keep away from heat, sparks, and open flame. Use of fresh air supplied mask during application is recommended. Avoid prolonged contact with skin and breathing of vapor or spray mist. Adequate ventilation is required. This product is intended for **INDUSTRIAL USE ONLY**. Keep out of reach of children. Read Material Safety Data Sheet prior to the use of this product.

The facts stated and the recommendations and suggestions herein are based upon experiments and information believed to be reliable. No guarantee is made of their accuracy however, and SOCCO PLASTIC COATING COMPANY ASSUMES NO LIABILITY FOR PRODUCT FAILURE OTHER THAN TO SUPPLY REPLACEMENT MATERIAL FOR PRODUCTS SHOWN TO BE DEFECTIVE WHEN DELIVERED, OR TO REFUND THE PURCHASE PRICE. Except as stated, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE. SOCCO PLASTIC COATING COMPANY SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL, AND CONSEQUENTIAL DAMAGES. No statement contained herein shall be construed as an inducement to infringe existing patents or as an endorsement of products of specific manufacturers.