

Polyurethane Line Marking Coating

DESCRIPTION • *ElastoCrete 302L* is a liquid applied, two-component, flexible, high solids content, aliphatic polyurethane coating specially formulated with high quality, weather fast pigments for line marking.

USES • *ElastoCrete 302L* is typically applied on top of epoxy or polyurethane floor coating for line marking and floor signage but may also be applied directly on concrete if desired. High quality fluorescent pigments may be used with *ElastoCrete 302L* to produce highly visible line marking. Fine glass beads may also be applied with *ElastoCrete 302L* for light reflection. *ElastoCrete 302L* is generally used in parking garages, industrial warehouses, chemical plants, passageways, helipads, and factory floors.

COLORS • *ElastoCrete 302L* is available in white and yellow as well as standard colors. Please refer to CCC's Resins Color Chart.

ADVANTAGES •

- ✓ Liquid applied; easy to apply with roll or brush.
- ✓ Interior and exterior applications.
- ✓ Good color reflection properties.
- ✓ Good adhesion to resinous flooring and concrete surfaces.
- ✓ Excellent abrasion resistance.
- ✓ Flexible with good crack bridging ability.
- ✓ Weather and corrosion resistant.
- ✓ Excellent chemical resistance.
- ✓ Excellent resistance to Chlorides and Alkalies.
- ✓ Good impact resistance and tensile strength.

LIMITATIONS • Never apply to new concrete surfaces before they have been allowed to cure for a minimum of 28 days. *ElastoCrete 302L* is only a fine coating; it should not be used to fill cracks or holes in the surface. *ElastoCrete 302L* must be applied at a minimum dry film thickness (DFT) of 300 microns. Do not apply when ambient temperature is below +10°C. Do not apply on wet or damp surfaces. Do not apply if rain is expected in the proceeding 8 hours.

PHYSICAL PROPERTIES •

Solid content	70%
Tensile Strength (ASTM D 412)	9.9 N/mm ²
Tear Strength (ASTM D 624-98)	74 N/mm
Pull Off Strength (ASTM D 4541)	1.2 N/mm ²
Hardness Shore D	70
Elongation (ASTM D 412)	80%

Impact Resistance (ISO 6272)	No Cracking
Water Penetration @ 5 bars	Nil.
DFT (one coat)	100 microns
Drying Time	2 hrs.
Pot Life (max.)	1 hr.

COVERAGE • Application rate will vary according to surface conditions, application technique and job conditions. Coverage rates are approximately 6 - 7 m²/liter at 100 microns DFT depending on color and roughness of substrate.

SURFACE PREPARATION • All surfaces should be clean, dry and free from dust and other contaminants. Wet substrates should be sponge dried to remove all free surface water then air dried. Treat oil or grease contamination with degreaser followed by water or steam cleaning. Floor area and the wall up to a height of 200 mm shall be thoroughly cleaned dry and free of dust, loose cement mortar, grease, oil, and other contaminants.

New concrete floors should be at least 28 days old and have a moisture content of less than 5%. The relative humidity at the surface should not be more than 25% as per BS8201:1981. Excessive laitance should be removed by mechanical methods. Dust and other debris should be removed by vacuum cleaning. Any fine cracks or pin holes should be covered with *MortCrete 3000* or other epoxy-based mortar.

Damaged areas or surface irregularities should be repaired using *MortCrete 3000* or other epoxy-based mortar. All cracks larger than hairline shall be considered as moving and must be repaired with *MortCrete 3000*. All delaminated and splashed areas of concrete shall be repaired prior to application of *ElastoCrete 302L* with *MortCrete 3000*. Remove all unsound concrete. Patches shall be flush with the surrounding surface and shall match the texture of existing surfaces.

Epoxy screed high spots or trowel marks should be rubbed down. Remove dust and debris by vacuum cleaning. Resinous floor coatings should be fully cured, dry, and free of dust, oil, and other contaminants.

MIXING • Lightly stir the contents of the A component for 2-3 minutes using a jiffy mixing blade attached to a low speed drill (200-300 RPM) for five minutes. Ensure that the components are thoroughly and evenly distributed, eliminating any settlement that might have occurred in the container. Pour the contents of the B components (clear part) into the A

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component container, scraping the sides of the B component container to ensure that the entire contents of the container are used. Mix thoroughly to a streak-free color uniformity using a jiffy mixing blade attached to a low speed mixer. Due to the short working life, ElastoCrete 302L must be used immediately after mixing. Working time decreases with increasing ambient temperature.

APPLICATION • After mixing, *ElastoCrete 302L* should be immediately applied to the dry surface while ensuring a continuous coating of uniform thickness is obtained. A stiff nylon brush or short nap roller is recommended for such application. A brush may be used for touch-up and edging work or for areas unsuitable for roller application.

ElastoCrete 302L may be applied directly on concrete surfaces or on fully cured resinous floor coatings. Usually a single coat is sufficient for line marking applications.

For light reflection, sprinkle glass beads 200 microns or less on top of the wet surface of *ElastoCrete 302L*. Brush off excess beads once the coatings have fully dried the next day.

CLEANING • Tools and equipment must be immediately cleaned with an organic solvent.

STORAGE & SHELF LIFE • Product should be stored at 25°C in dry conditions away from direct sun light. Shelf life is approximately 12 months from date of purchase in original unopened container at specified storage temperature.

SAFETY PRECAUTIONS • Protective clothes such as coveralls, goggles and respiratory masks shall be worn. If spilled into eyes, wash with plenty of water immediately and if irritation persists seek medical treatment.

DANGER, HIGHLY FLAMABLE – do not expose to sources of open flame. Do not allow smoking during mixing or application. KEEP AWAY FROM CHILDREN. The application of material should be under good ventilation. Avoid inhalation of the vapors. Always wear protective clothing, goggles, vinyl gloves, and vapor mask. DO NOT TAKE INTERNALLY, MAY BE FATAL IF SWALLOWED. First aid: Eyes – flush with water and seek medical attention immediately. Do not use any solvents. Ingestions – give several glasses of water or milk and seek medical attention immediately. Contact with skin – wash affected area immediately. Inhalation – move to fresh air.

The product complies with environmental and occupational health & safety standards ISO 14001 and OHSAS 18001.

PACKAGING • 15 kg net (Part A + Part B).
