

Elastolex EL95

elastomeric urethane basecoat



DESCRIPTION

Elastolex EL95 is a two component, high solids, elastomeric urethane basecoat used to form waterproof coatings on concrete or plywood substrates which require high flexibility and where good resistance to cracking is required. Elastolex EL95 may be used to cover substrates in multi-story car parks, suspended walkways, balconies and general concrete or plywood substrates. It has a combination of excellent elongation properties and high tensile strength and tear resistance. It is an ideal crack resistant membrane and basecoat for exterior or interior use.

ADVANTAGES

- Bridges hairline cracks
- Flexible in low temperatures
- Low odor for use in occupied areas
- Meets USGBC LEED criteria for low VOC
- Resistant to automotive fluids
- Quick cure time
- Can be applied over a wide thickness range

APPLICATION

Substrate Requirements

Ensure that all surfaces are dry, free of dust, debris, and any contaminants that could affect adhesion. The substrate should be stable, level, and free from any rising moisture. It must also possess adequate compressive and tensile strength to support the expected service loads. Any surface laitance or weak layers should be removed by mechanical means prior to application. The substrate temperature must be a minimum of 50°F.

Do not apply Elastolex EL95 on substrates with a moisture vapor treatment if the level of moisture is greater than 4%, or on those which are subject to rising dampness.

Mixing Elastolex EL95

Pre-mix both components thoroughly, then empty entire contents of Part B into Part A and mix with a slow speed drill until liquids are completely blended. Continue mixing for a few minutes until a lump-free, homogenous mix is obtained.

Application of Elastolex EL95

Pour the mixed product onto the floor and spread it out evenly on the surface to be treated with a notched squeegee trowel at specified coverage rate. While the product is still fresh, pass over the layer with a spiked roller.

COMPOSITION

95% solids Polyurethane elastomer.

COLOR SELECTION

Elastolex EL95 is available in Gray only.

COVERAGE

Elastolex EL95 will yield approximately 30 mils (750microns) when applied at 50ft²/gallon.

CLEAN UP

Decontaminate skin using soap and water. Clean all tools and application equipment immediately after using xylene or lacquer thinner. For comprehensive safety and handling guidelines, refer to the Safety Data Sheet (SDS).

CURE/DRY TIME

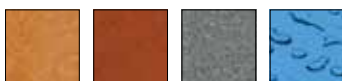
Pot Life	20-30 minutes at 70°F, 50%RH
Recoat	Min: 2 – 4 hr at 70°F, 50% RH Max: 24hr at 70°F, 50% RH
Light Foot Traffic	12-16hr at 70°F, 50% RH
Full cure & Max Resistance	5-7 days @ 70°F, 50% RH

TECHNICAL DATA

Mixing Ratio	4 Parts A to 1 Part B by Volume
Solids content	95% solids by Volume
VOC (EPA method 24)	55gr/liter, compliance to low VOC Rule 1113 in all 50 states
Viscosity	2100±500cps, mixed

PHYSICAL PROPERTIES

Adhesion to Concrete (ASTM D7234)	300+ psi (concrete failure, varies by concrete strength)
Hardness, Shore A (ASTM D2240)	65±5
Impact Resistance (ASTM D2794)	160in/lb
Tensile Strength (ASTM D412)	1500psi
Ultimate Elongation (ASTM D412)	1000%
Split Tear Strength (ASTM D470)	60±5
Tear Resistance, Die C (ASTM D624)	230±25pli



MAINTENANCE

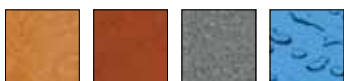
Elastolex EL95 is typically used as a basecoat material underneath other Duraamen products. Refer to the appropriate sealer product information sheet to system technical data sheet for maintenance instructions.

TECHNICAL SERVICE

Duraamen Engineered Products Inc. provides technical consultations on material selection, specification, troubleshooting and other information on the proper repair and protection of concrete surfaces.

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