

# ULTRALIT FIX STANDARD

## REPAIR POLYMER AND CONCRETE PRIMER

### DESCRIPTION

ULTRALIT FIX STANDARD is a specially formulated polymer rapid repair product. In its basic low viscosity formulation, ULTRALIT FIX STANDARD may be used in a variety of unique applications to repair concrete substrates. It is designed for use in both interior and exterior concrete repair and parging situations.

### BENEFITS

- Ultra low viscosity in neat configuration will penetrate concrete for permanent bond
- Cures in 30 minutes for quick open to traffic
- Can cure in -34°C. Cure time will be extended at lower temperatures
- Mixed with industrial quartz sand will make a durable polymer concrete
- May be mixed with silica flour, fumed silica and cabosil
- Self-leveling in thinner viscosities

- Minimal surface preparation required
- Good chemical resistance
- May be bulk mixed for large area repairs

### IDEAL FOR APPLICATIONS IN

- Repairing spalls and cracks in traffic areas
- Restoring integrity to dusted concrete
- Filing bug-holes on horizontal surfaces
- Used as a parging compound on horizontal surfaces to smooth concrete and masonry
- Bridge deck repairs
- Below grade repairs
- Spalled control joints
- Freezer applications
- Polishing concrete floors and others...

### PHYSICAL PROPERTIES

<b>(Typical) 1:1 Mix Ratio</b>		
<b>Cured Film Properties</b>	<b>Test Method</b>	<b>Typical Value</b>
Color		Amber/white
Solids content		61%
<b>The following properties are typical after maintaining cured product at 21-25°C for 4 days:</b>		
Shore D hardness	ASTM D2240	60 - 65
Elongation	ASTM D412	6%
Tear Strength (lb./in.)	ASTM D624	180 - 220
Tensile strength, MPa	ASTM D412	22-27 MPa
Tensile Elongation (%)	ASTM D638	4 - 5
Modulus of Elasticity (kpsi)	ASTM D638	150 - 200
Compressive strength, neat	ASTM D638	26 MPa
Compressive strength, sand filled	ASTM D695	31 MPa
Taber abrasion, mg wt. loss (1,000 g, 1,000 revs., H-18)	ASTM D4060	900 - 1,000
Shrinkage	ASTM D695	None
Bond strength, concrete	ASTM D4541	Concrete failure
Viscosity, cps, neat, 25°C		25
VOC	Theoretical	38%
Pot life @ 25°C		2 - 3 minutes
Tack free @ 25°C		15 minutes
Open to traffic		30 minutes
Working time		2 - 3 minutes, 5 - 6 minutes with aggregate
Shelf life		One year from date of shipment, in original, unopened factory containers, under normal storage conditions of 18°-35°C

# ULTRALIT FIX STANDARD

(continuation)

## REPAIR POLYMER AND CONCRETE PRIMER

### PACKAGING



ULTRALIT FIX STANDARD is packed in 2 liter kits (1 liter pail of component "A" and 1 liter pail of component "B"), 10 liter kits, 20 liter kits

### MIXING

ULTRALIT FIX STANDARD is a two-component product. When mixing material, thoroughly mix each side prior to combining "B" side into "A" side.

### APPLICATION

#### **Surface Preparation:**

- Provide clean and dry concrete surface. When restoring surface integrity to dusted concrete, remove loose surface material. Abrasive blast or abrade surface is recommended. Protect from freezing.

#### **Application procedure:**

- Used as a primer: carefully pour/dispense material into properly prepared area. Protect surrounding areas from excess material. Spread as necessary with squeegee and allow to dry.

- May be sprayed through plural component equipment (low viscosity formulation only), squeegee, roller or brush to 0,13 to 0,25 mm wet.
- Used in patching applications: holes, divots, pop outs and re-nosing of joints. Dry aggregate needs to be mixed into ULTRALIT FIX STANDARD ("A" and "B" already mixed 1:1) or at a 3 to 1 ratio (aggregate to ULTRALIT FIX STANDARD), but not more than 4 to 1. 0,6-0,85 mm aggregate is ideal size. Trowel as necessary and allow to dry.
- ULTRALIT FIX STANDARD is not to be used on non-porous substrates. ULTRALIT FIX STANDARD can be top coated if desired, follow proper surface preparation procedures.

#### **Clean up:**

- Cured product may be disposed of without restriction. Excess liquid "A" and "B" material should be mixed together and allowed to cure, then disposed of in the normal manner. Product containers that are "drip free" may be disposed of according to local, state and federal laws.

### SAFETY / HEALTH INFORMATION

Keep out of reach of children. Do not drink. Keep container closed tightly when not in use. Wear long sleeve overalls, goggles and rubber gloves, rubber or leather boots. Additional precautions, safety information and first aid treatments are contained in the Material Safety Data Sheet.

### CUSTOMER SUPPORT

ULTRALIT FIX STANDARD is available worldwide. For technical assistance, product information, Dealer location - visit our web site at [www.ultralit.eu](http://www.ultralit.eu) or email at [info@ultralit.eu](mailto:info@ultralit.eu).