

## Top 10 Reasons: To Design with Helix Micro Rebar vs. Rebar/Mesh

### 1. Helix Eliminates Placing Errors

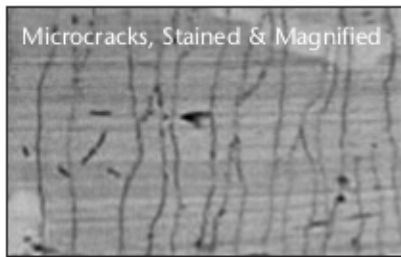
Helix avoids placement errors since it is distributed throughout the concrete matrix. Traditional reinforcement's effective strength is decreased by up to 50% when misplaced. Placing chairs, and their potential for weakening the concrete, are also eliminated.

### 2. Helix Provides a 40% Plus Stronger Concrete Section

Helix is a multidirectional reinforcement that increases shear strength and decreases the need for stirrups

### 3. Helix Allows the Concrete to Absorb 200% Plus More Energy

Helix adds durability and impact resistance to the concrete which is excellent for heavy loads and seismic events.



### 4. Helix has Excellent Crack Control Properties

Helix is designed to keep cracks tight and short when they develop allowing the concrete to micro crack but not develop a large, dominate crack.

### 5. Helix is a Safer, Discontinuous Reinforcement System

Helix does not allow for a complete failure of the system due to corrosion; unlike traditional reinforcement which is continuous and electrically connected.

### 6. Helix Helps Increase Worksite Safety

Helix reduces injuries due to cuts (placing), strains (lifting) and tripping/falling (maneuvering through the grid) traditionally associated with rebar/mesh.

### 7. Helix is Electroplated with Zinc

Helix has been tested in de-icing agents to resist rusting 3 times longer than standard rebar/mesh that has no coating.

### 8. Helix Significantly Reduces Construction Time

Helix reduces construction time by eliminating laying, tying and inspections and in most cases can eliminate the need for pumping and void development in highly congested steel locations.

### 9. Helix Reduces Reinforcing Costs by at Least 20%

Helix eliminates labor associated with rebar/mesh placement along with reduction of scrap, chairs and overlap splicing wheel.

### 10. Helix Can Help Achieve LEED Goals

Helix is made from 50% recycled steel and less overall weight of steel is used thus the emissions of trucks, forklifts and cranes are greatly reduced.

