

FIBERGLASS REBAR

 **MADE IN AMERICA**

3MAX™ COMPOSITE REBAR

Replaces #4 steel in flatwork
Replaces #3 steel in reinforced masonry

Convert Welded Wire to 3MAX

| | |
|-----------------|--------|
| 6x6 - W1.4xW1.4 | 47" OC |
| 6x6 - W2.9xW2.9 | 23" OC |

4MAX™ COMPOSITE REBAR

Replaces #5 steel in flatwork
Replaces #4 steel in reinforced masonry

Increase Rebar Spacing with 4MAX

| | |
|---------|--------|
| 5" Slab | 18" OC |
| 8" Slab | 13" OC |

4EQ STRUCTURAL BAR®

ASTM D7957
4EQ Structural Bar® is an ASTM D7957 Certified Building Material

Can Replace #4, #5, #6 in most applications

Vinyl ester resin makes it nearly
3x stronger than Grade 60 steel

Meets ACI standards for reinforcement
under 440.1 and 440.11 code

Can be used in 2018 & 2021 IBC and IRC
concrete reinforced designs

Rust-Proof

Completely eliminates cracks from spalling

200+ Years Service Life

Engineered to last for generations

Quick & Simple Installation

Save up to 50% labor compared to steel rebar

Transportation Savings

75% lighter than traditional steel rebar

Stronger Than Steel

Over 2x stronger than Grade 60 rebar

Nonconductive & Nonferrous

Ideal for projects with electromagnetic sensitivity

Superior Crack Control

80% less crack initiation compared to traditional
steel rebar

Save On Concrete

No corrosion inhibitor, use chloride-based
accelerants, reduced footing volumes

Cost Effective

Less \$\$ than epoxy coated and plain steel rebar

Chemical Resistant / No Waterproofing

Impervious to de-icing salts & corrosive chemicals,
eliminates need for costly waterproofing agents

High Performance in All Climates

Stronger reinforcement in freeze-thaw regions &
guaranteed longevity in coastal regions compared
to steel rebar



2X
STRONGER &
CODE APPROVED

75%
LESS WEIGHT,
LOWER LABOR COSTS,
FEWER DELIVERIES

| | 3MAX | 4MAX | 4EQ |
|---|--|--|---------------------------------|
| Use | Flatwork | Flatwork + Masonry | Structural |
| Replaces | Welded Wire #3, #4 Steel Rebar | #4, #5 Steel Rebar #4 in Masonry | #4, #5, #6 Steel Rebar |
| Bar Diameter (in) | 7/16 outside 3/8 load bearing core | 1/2 outside 7/16 load bearing core | 0.45 |
| Size (in ²) | 0.11 | 0.16 | 0.16 |
| Design | Integral Rib Design (No Sand-Coating Required) | | |
| Tensile Strength (ksi) | 145 | 165 | 180 |
| Elastic Modulus (ksi) | 6675 | 7550 | 9427 |
| Transverse Shear Strength (ksi) | 23.5 | 27.0 | 32.9 |
| Pull-Out Capacity (psi) | 2600 | 2900 | 3600 |
| Certifications | ASTM D7957 | ASTM D7957 | ASTM D7957 + D8505 ICC-ES |
| Bent Bars Available | | | ✓ |
| D7205 Tensile Strength, Elastic Modulus D7617 Traverse Shear Strength D7913 Pull-Out Capacity | | | |

Design Manual is available with examples. Concrete Design software is also available through the MST-BAR® manufacturer website.

APPLICATIONS: Sidewalks, Driveways, Curb & Gutter, Slab on Grade + Foundation Walls, Masonry... AND MORE

