



Instruction for Handling and Safety

1. MSTBAR™ can be crush and damaged with high mechanical force in compression to side of the bar. Before shipping MSTBAR™ shall be packed in a way that nor forklift neither hoisting equipment can caused damage.
2. Do not place MSTBAR™ on Sharp edges and directly on the ground, always use beam or timber pallet under the bar package to keep them away from dirt and mud.
3. MSTBAR™ is more elastic than regular steel bar therefore always avoid excessive deflections of the bars. Always use a spreader bar when hoisting bundle of MSTBAR™
4. MSTBAR™ can be damaged by rubbing abrasive material to it; do not drag MSTBAR™ on the ground or sharp edges.
5. MSTBAR™ does not have any Ultra Violent resistance additive therefore MSTBAR™ cannot be store under direct sunlight, always cover MSTBAR™ from direct sun.

6. To cut MSTBAR™ do not use shear force and inappropriate tools. MSTBAR™ can be cut using steel saw, a band saw and or grinder with a diamond blade.
7. Do not try to weld MSTBAR™, use overlap of 40 times diameter of the bar.
8. MSTBAR™ are elastic and will never goes to plastic region, when a bend bar release the potential energy will released, bent bar will snap back to the original shape. CAUTION: the force can be very large and cause serious injury.
9. When placing the MSTBAR™ make sure it is free of dust and oil since its effect the bond between bar and concrete.
10. Place MSTBAR™ according to CRSI Placing Reinforcing Bars.
11. Securing MSTBAR™ in formwork to avoid any movement of the bars before pouring concrete.
12. Support MSTBAR™ accurately by using non-corrosive chair or stand before pouring concrete. MSTBAR™ is more flexible than steel and should be supported at about 60% of the distance normally used for steel.
13. Tie FRP bar with stainless steel or nylon tie wire, you may use heavy-duty zip tie.

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MSTBAR
The Corrosion Solution 