

# Better to be sustainable

## Stainless steel reinforcement

### Why use stainless steel reinforcing bar?

Carbon steel reinforcement corrodes when Chlorides and/or CO<sub>2</sub> diffuses into the concrete and reaches the steel. Since the corrosion products are more voluminous than the rebar itself, the concrete experiences mechanical stress which causes the outer layers of the concrete to spall off. The exposed rebar will corrode faster, leading to premature failure.

Reinforcement corrosion is the main cause of premature deterioration of concrete structures and causes billions of dollars worth of damage every year.

Stainless steel will resist corrosion and therefore improve the durability of the structure. Maintenance and repair costs will be greatly reduced at a small initial extra cost.

**Learn more on [stainlesssteelrebar.org](http://stainlesssteelrebar.org)**



Arminox S.A.



Roldan



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