





Weathering Steel



- Patina is a thin layer of dense corrosion by-products that acts as a skin to protect against further corrosion.
- In use in United States since 1933.
- Developed for coal hopper cars to combat the corrosive effects of sulfur on steel.
- New High Performance Steel (HPS) has improved weathering characteristics.



Use of Weathering Steel

BENEFITS

- Lower Fab Cost
- Shorter Fab Time
- No Field Painting
- Natural Appearance
- Minimal Maintenance
- Lower Life Cycle Cost

CAUTIONS

- Not appropriate in foggy, coastal regions
- Not for use in tunnel-like conditions where deicing salts are used
- Evaluation needed in heavy industrial areas (corrosive chemicals)



























































































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