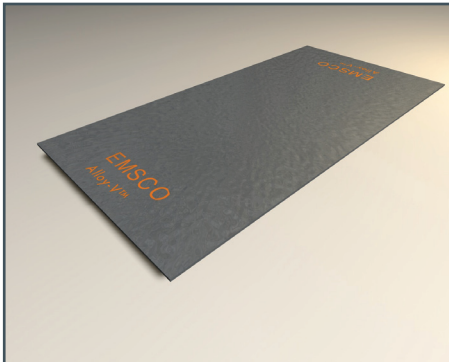


# Alloy-V™

## wear plate



- WITHSTANDS HIGH ABRASIONS
- MAXIMUM IMPACT RESISTANCE
- FLATNESS ENSURES EVEN WEARABILITY
- ULTRA HIGH STRENGTH
- EASILY WORKABLE
- CHEMISTRY RETARDS ATMOSPHERIC CORROSION
- EXTENDED LIFE REDUCES DOWNTIME

**Alloy-V™** is a specialized maintenance-rated wear plate delivering maximum resistance to abrasion while maintaining its ability to withstand impact. **Alloy-V™**'s hardness of 485-560 BHN and ultra high strength make it the best choice for the most demanding industrial applications. **Alloy-V™** wear plate is the choice to replace conventional "AR" plates.

Suggested Applications:

Agitator Tanks	Discharge Funnels	Mixer Liners
Asphalt Plants	Dust Collectors	Pug Mills
Chutes	Feeders	Skip Cars
Classifiers	Flat Back Elbows	Structural Plate
Conveyor Casings	Grain Spouts	Transitions
Cyclone Separators	Mine Cars	Wear Pads

Sizes Available: 1/8" min. - 3" max. thickness x 8' max. width x 24' max. length.

Typical Chemical Composition & Mechanical Properties

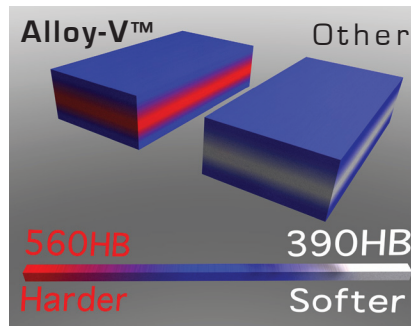
	C	Mn	Si	Cr	Mo	Ti	CE	B
minimum	0.25	1.2	0.22	0.50	0	0.22	0.57	.022
maximum	0.25	1.2	0.45	0.60	0.20	0.26	0.59	.022

Typical Strengths and Elongations:

Yield	Tensile	Elongation A <sub>5</sub>
190ksi	225ksi	8%

Typical Hardness Range :

485-560 BHN Through Hardened



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**Alloy-V™**  
 wear plate

Welding Procedure: Use low hydrogen, high tensile electrodes  
 AWS: E 7018