



Cryo-Ultralite™ Lightweight Composite Wear Plates

Cryo-Ultralite protects equipment without the added weight and capacity reduction of standard carbide overlay plates. It lasts up to 13 times longer than standard wear plates so it saves a tremendous amount of maintenance labor. Its thin profile even allows it to be formed to contoured surfaces – including pipe as small as 2.5” in diameter.

- Economical — Long life extends maintenance intervals to reduce labor expense
- Extremely Wear Resistant — Lasts up to 13 times longer than AR-400
- Lightweight — Reduces added weight for hardfacing by 5 times over standard carbide overlay plate
- Formable — Thin plates can be cut or contoured to small diameters



Cryo-Ultralite is at least 60% thinner and 5 times lighter than standard carbide overlay plates.

SPECIFICATIONS

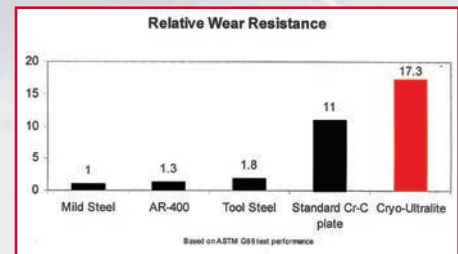
Surface hardness.....	66-68Rc
ASTM G65 abrasion test	19.1298mm ³ vol. loss
Base plate thickness.....	~ 5/64”
Carbide hardfacing thickness.....	~ 1/8”
Service temperature.....	up to 400°F/(204°C)

PROCEDURES

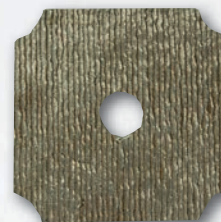
Remove any fatigued or damaged material before applying Cryo-Ultralite plates. Use Arc-Prep™ #161, Arc Cut™ #163 or #165 X-Cut™ to remove old hardfacing, cracks and damaged areas. Rebuild or repair areas as needed using Impact-A-Wear™ SD #173 electrodes. Lay the plates out on the surface in a pattern suitable for the application, leaving a 3/8” gap between plates. Cut/form the plates to adjust fit, if needed. Weld around the center hole with Impact-A-Wear SD with the amperage increased by 75 amps, over recommended amperage. For areas that are subject to impact, weld the corners, too. For heavy abrasion, cap each weld with Max-Abrade SD #176 or Max-Abrade FC #676.

Applications

- Hoppers
- Dozers
- Buckets
- Snow Plows
- Chutes
- Cyclones
- Elbows
- Fans
- Mixers
- Screw conveyors
- Pipes
- Excavators



Code#	Description
099-1-0404	4” x 4” x 13/64”
099-1-0424	4” x 24” x 13/64”
099-1-0436	4” x 36” x 13/64”
099-9-0420	Cryo-Ultralite Starter Kit includes: 20 ea. 4” x 4” x 13/64” plates and 2 lbs Impact-A-Wear SD #173 1/8” electrodes



Available in select sizes only