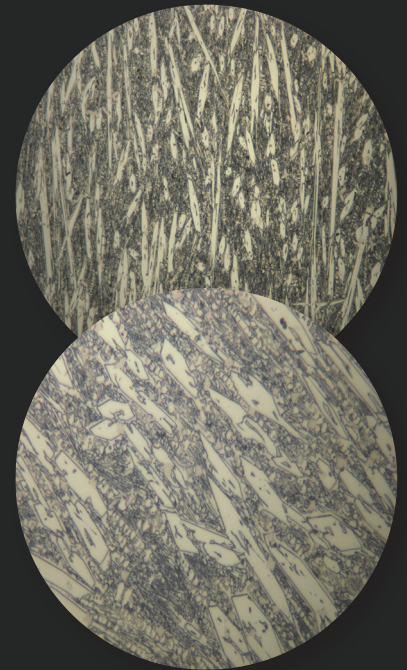


ACEG80™

ACEG80™ is a composite wearplate consisting of a hard abrasion resistant surface layer fused to a structural steel backing plate. The submerged arc manufacturing process generates a smooth surface texture and ultra refined hyper-eutectic microstructure in the overlay which provides excellent wear resistance against a wide range of wear mechanisms.



Base Material

The standard steel substrate is compliant with AS-3678 – grade 300 structural steel in thickness ranges from 4-55mm. Other grades can be supplied upon request.

Overlay Material

The overlay material is an austenitic complex chromium carbide alloy consisting of a uniform, high volume fraction of fine primary MC and M7C3 carbides in a matrix of carbide and austenite meeting the AS/NZS 2576 - 2455:1995 alloy specification.

Material Composition

Chemical Analysis (min)	4.0 %C, 28 %Cr, 1.0 %Mn, 0.5 %Si, 2% Nb
Hardness (typical)	660 HV50
Micro Hardness – Matrix	Up to 550 HV
– Carbide	Up to 2400 HV
Total Carbide content (min)	55%
Operating Temperature	Up to 350°C continuously

For Additional Information

Call ACE on +61 8 9303 9944 or email info@australce.com



**PROTECTING ASSETS
ENHANCING EFFICIENCY**

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