

ACEslikalloy1800™

ACEslikalloy1800™ 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 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 chromium carbide alloy consisting of a uniform, high density distribution of primary chromium rich M_7C_3 carbides in a matrix of carbide and austenite, compliant with AS/NZS 2576 – 2355 alloy material.

Material Composition

Chemical Analysis (min)	4.2 %C, 32 %Cr, 1.5 %Mn, 0.5 %Si
Hardness (typical)	670 HV50
Micro Hardness – Matrix	Up to 550 HV
– Carbide	Up to 1800 HV
Total Carbide content (min)	60%
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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