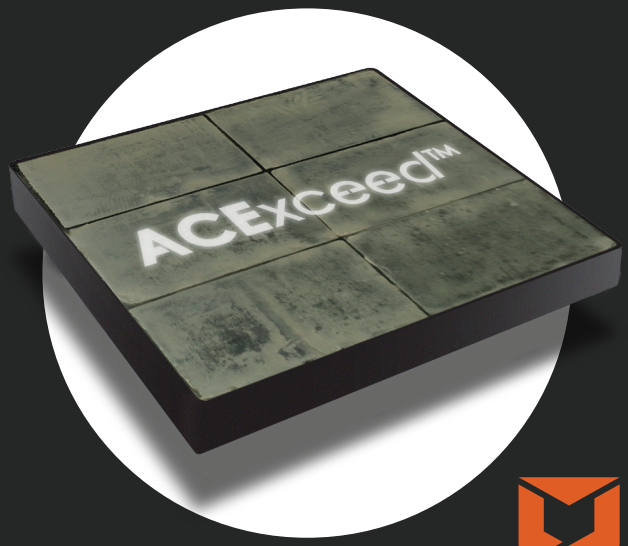
ACExceed™

Sintered Tungsten Carbide (STC) Liners, Superior Abrasion and Impact Resistance



ACExceed™ is a premium composite wear liner engineered to provide superior life in extreme abrasion and impact environments when compared to traditional oxide ceramic materials.

ACExceed™ consists of tough sintered (non-oxide ceramic) tungsten carbide (STC) tiles.

Item	Description	Unit	Result
Material Properties	Density	g/cm^3	14.25
	Hardness	HV_5	1041
	Bending Strength	N/mm^2	3287
	Average Grain Size	ASTM Grain Size Number	14.6 (2.2µm - G)
	Porosity	ASTM B311	A02B00C00
	Carbon Deficiency	/	No
Rubber	Hardness	Shore A	60 +/- 5
	Elongation	%	400
	Resilience	%	65

Note:

Fracture toughness (K_{IC}) calculations were carried out using indentation methods used for median crack system; ref. Evans and Charles using HV values. A number of different equations and methods exist for fracture toughness calculation within the industry and may vary between analytical laboratories. Different calculation methods may not be readily comparable in terms of values as they may be based on different assumptions and empirically derived constants, and different values may be obtained depending on the method used. Thus all values for fracture toughness are indicative and best used comparatively using a preferred method of calculation.

For Additional Information

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

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ACE PROTECTING ASSETS ENHANCING EFFICIENCY

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