

2025

VALID TO 31 Dec

Australasian Certification Authority for
Reinforcing and Structural Steels Ltd



PRODUCT CERTIFICATION
www.steelcertification.com

CERTIFICATE OF APPROVAL

Technical Approval

This is to certify that

Siam Industrial Wire Co. Ltd (SIW)

at

160 Moo 11 T Nong Lalok

Ban Khai District Rayong Thailand 21120

has satisfied the Authority that it complies with the rules of the ACRS Product Certification Scheme for Technical Approvals and is entitled to use the ACRS mark in relation to the products listed on this certificate.



SCOPE OF CERTIFICATION

Product: Prestressing strand 15.7mm 1860MPa Relax 2 KM4

Scheme: ACRS Scheme Rules

Normative document: AS/NZS 4672:2007, plus the dimensions and properties for 7-wire strand in Table 12 (designation Y1860S7) of BS 5896.

Note: 15.7mm 7-wire strand is not referenced in AS/NZS 4672 Steel Prestressing materials. 15.7mm 7-wire strand manufactured by Siam Industrial Wire has been assessed by ACRS against the requirements of AS/NZ 4672 and the dimensions and properties for 7-wire strand in Table 12 (designation Y1860S7) of BS 5896 High tensile steel wire and strand for the prestressing of concrete, and is Approved as meeting the minimum requirements of AS/NZS 4672, with the exception of diameter.

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority.

CERTIFICATE NUMBER	VERSION	FIRST APPROVAL	ISSUE DATE	EXPIRY DATE
T1004	1	27 May 2016	01 January 2025	31 December 2025

SIGNED FOR ACRS

Andrew Wheeler,

Executive Director

AUSTRALASIAN CERTIFICATION AUTHORITY FOR REINFORCING AND STRUCTURAL
STEELS LTD | ABN: 40 096 692 545 | PO BOX 1369, CROWS NEST NSW 1585, AUSTRALIA

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Cert. Ref.: 016-01 T1004 1

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Accreditation certificate
number Z5221212AC

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Technical Approval

Certificate Number: T1004
Siam Industrial Wire Co. Ltd (SIW)

at
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Ban Khai District Rayong Thailand 21120



Products assessed by ACRS to the following Standards:

This product conforms with the specific requirements of AS/NZS 4672 and the specific requirements of Table 12 in BS 5896:2012 for Steel Grade Y1860S7.

Strand 7 wire ordinary:
15.7mm, 1860 MPa, Relax 2 - Line KM4

Table 12: BS 5896
Steel Grade: Y1860S7, Diameter 15.7 mm, Tensile Strength 1860 MPa, Cross sectional area 150 mm², Mass per metre 1172 g/m, Permitted deviation on mass per metre +/- 2%, Fm 279 kN, Fm max 321 kN, Fp0.1 246 kN

Approved Company Information

Tag

IDENTIFICATION TAG	PC STRAND-7 BS5896-Y1860 S7-15.7				FPSTRBABS2L01570E0 Order 112100001236				MADE IN THAILAND
	SIW Classic PC Strand								
Size(mm)	RM Batch	Coil no.	Wt.(KG)	Mfg Date					
15.70	245H305000	S4609BK411	0	09.06.2024					

Product		Wt(g/m)	BL (kN)	LENGTH		B65896-Y1860S7-15.7/1860			
E PS/ LCH		1178.64	291.76	2521.550					
RM Batch	Coil No	DTA (mm)	EL (%)	YLD.1k (kN)	MOB (kN/mm ²)				
245H305000	S4609BK411	15.74	6.1	261.07	197.54				

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