

Evening Technical Seminar Co-organized by

Jointing and Welding Group, The Hong Kong Institute of Steel Construction, Sponsored by Department of Civil and Structural Engineering, The Hong Kong Polytechnic University

HIGH PERFORMANCE STEEL REBAR

Monday, 10 December 2007

PROGRAM HIGHLIGHTS

HIGH STRENGTH REINFORCING SYSTEM

Current shear wall & columns design for high rise buildings typically utilizes grade 460 bar. Due to high wind loads on tall structures, shear walls contain high concentration of bars. Many problems occur in placing the bars, forming the walls and pouring the concrete that lead to unconsolidated concrete.

A more practical and elegant solution for compression columns is to reduce the number and quantity of rebar by substituting SAS grade 670 thread bar from conventional rebar of grade 460(BS4449). One 63mm grade 670 thread bar can replace five 32mm grade 460 bars approximately. Additionally eliminating lap splices with threadable coupling results in a net steel reduction of 53% in weight. This will lead to significant savings in labor hours due to reduced rebar tonnage to be fabricated and installed; as well as an overall potential saving in construction time

The key benefits of the system are

- Slender column with more floor spacing added advantage to developers
- Constant cross section over the floors (column or shear wall)
- threadable along full length of bar,
- cutting or extension at any desired length of the bar
- Mechanical thread bar splicing up to 100% allowed in one selection
- Galvanized or epoxy coated bars as well as accessories are available
- SAS thread is available from 18mm to 75mm
- Overall cost savings for the developer

Mr. Hans Wlodkowski Head, Research & Development, Stahlwerk Annahuette Max Aicher Gmbh & Co.

Date:	10 December 2007 (Monday)		
Venue:	PQ303		
	The Hong Kong Polytechnic University, Humghom, Kowloon.		
Time:	6:45 p.m. (registration) for 7:00 p.m. to 8:00 p.m.		
Registration fee:	Free of charge		
Seat availability:	100 seats are available on a first-come-first-served basis.		
CPD Certificate:	The seminar is recommended for 1 hour CPD.		
	An attendance certificate will be issued upon request.		

Please send the completed registration form to The Hong Kong Institute of Steel Construction, c/o Mr. Sam Chan, *TU743, Department of Civil and Structural Engineering, The Hong Kong Polytechnic University, Hung Hom, Kowloon* by noon on 7 December 2007 (Friday) (Tel: 2766 6020; Fax No.: 2334 6389) or through email: samchina@gmail.com. This form may be downloaded from the HKISC website. (http://www.hkisc.org).





Reply Form To be faxed to 2334-6389 by 12:00 noon, Friday 7 December 2007

Registration Form

Seminar Name: HIGH PERFORMANCE STEEL REBAR

Seminar Date: 10 Decem	ber 2007	(Monday)	
Name (in Full):			(Mr./Ms./Ir /Dr./Prof.) * * Please delete as appropriate
Company Name:			
Contact Tel. No.:		_ Fax:Email:	
Correspondence Address:			
HKISC Member:	Yes No	Membership Number:	
(picase chere)	110		
Do you want the Attendand (please circle)	ce Certifi	cate: Yes No	

Please send the completed registration form to Mr. Sam Chan, c/o TU743, Department of Civil and Structural Engineering, The Hong Kong Polytechnic University, Hung Hom, Kowloon <u>by 12:00 noon, 7 December 2007</u> (Friday). (Fax No.: 2334 6389)

The registration form may be downloaded from the web-site of the The Hong Kong Institute of Steel Construction (http://www.hkisc.org) or requested through Mr Sam Chan on 2766 6020. You can photo copy this registration form.

An email confirmation for successful registration will be provided before the Seminar. For late registration, email confirmation will be provided when the form is received. Please be reminded to provide us your email.