To Whom It May Concern,

16 March 2018

HALF HARD COPPER TUBE

This letter has been written to clarify the difference and advantages of half hard copper tube compared to hard drawn.

‘Half Hard’, also designated as ‘R250’ or ‘Bendable Quality’, is referred to in the most current version of the British/European Standard BSEN 1057: 2006 + Amendment 1:2010, as shown on our website.

Half hard copper tube is manufactured to a temper in between annealed (soft or R220) and hard drawn (hard or R290), and is easily bent by the installation contractor with a tube bender, making it easier to install on site and manipulate into shape. Due to this advantage the contractor can install half hard tubes in a faster time than hard drawn tubes and does not have to use so many fittings during the installation, saving more time and money.

MM Kembla were in fact the first company in the world to install production equipment way back in 1987 in Port Kembla to manufacture half hard copper tube inline as a continuous operation by induction annealing, the most common and popular method for half hard production to this day.

MM Kembla manufactures half hard 15, 22 & 28mm BSEN 1057 copper tubes to the old ‘Tables X & Y’ in our Port Kembla factory and is stocked throughout Asia by our various distributors. All details are shown in our brochure as shown on our website.

If you have any questions, please do not hesitate to contact me or our 50+ Year Singapore Agent, Mr Matt Sultan of H Rogers(S’pore) Pte Ltd.

Yours Sincerely,

Jarvis Fletcher
Market Manager, Asia & Middle East
MM Kembla