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**ESAB LAUNCHES CHROME-MOLYBDENUM FILLER METAL RANGE
TO IMPROVE WELDING RESULTS IN ASME “B3” PRESSURE,
POWER AND PROCESS PIPING APPLICATIONS**

To expand its line of filler metals for chrome-molybdenum weldments in the refinery, petrochemical, power generation and pressure vessel applications, ESAB has introduced its new series of B3 SC electrodes and fluxes for SMAW, GTAW and SAW for 2.25% Cr 1% Mo alloyed steels, SA-387 Grade 22, A335 Grade P22 and similar materials.

The new B3 SC filler metals feature modernized formulations designed for applications that require high toughness also in the post-weld heat treated as well as after step cooling treatment. The weld metal is also designed for increased rupture resistance at high service temperatures. Filler metal chemistry is carefully controlled so that weldments have a maximum X-bar (Bruscatto Factor) of 10, resulting from a very low level of impurity elements to reduce susceptibility to temper embrittlement.

“ESAB offers a complete product solution of B3 alloys for all welding processes to meet industry standards, classifications, chemistries and stringent customers’ mechanical and chemical property requirements,” says Markus Gustafsson, R&D Filler Metal Manager ESAB. “Further, our hermetically sealed VacPac™ and BlockPac™ packaging guarantees additional moisture protection for SMAW electrodes and SAW fluxes, thus eliminating the need for redrying on the customer site.

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Image Information

JPG: B3 SC Family

Caption: ESAB’s new B3 SC filler metals for SMAW, GTAW and SAW feature modernized formulations designed for applications that require high toughness values also after step cooling treatment.