

MARINE DIVISION
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**Certificate Number : WM
66025/02/F.2**

CERTIFICATE OF APPROVAL

This is to certify that the product identified below was found to be in compliance with the BUREAU VERITAS Rules and Regulations for the Classification of ships and offshore installations.

**Flux-Cored Wire for Semi-Automatic or Automatic Welding with
Shielding Gas
Welding of C and C-Mn Steels**

AIR LIQUIDE WELDING FRANCE
Cittadella plant - Padova - ITALY

Trade name : FLUXOFIL M10 / M21

Grade : SA 3YM HHH

Description : SHIELDING GAS ATAL : M21

Diameter(s) : 1,0 - 1,2 - 1,4 - 1,6 mm

Welding current DCEP (+)

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Welding position(s) :

Down hand (P), Vertical upwards (V), Vertical downwards (Vd), Horizontal fillet (FP)

Particular comments :

Distributed under OERLIKON brand. In addition, deposited metal tested with Charpy V min average KV 35 J at -40°C. When used for units classed with Bureau Veritas and where Charpy V impact tests are required at -40°C, approval tests of welding procedures are to be conducted on samples made with this consumable.